Arnold F. Fleming, P.E.
&

Fleming Lee Shue

Environmental Management & Consulting

November 12, 2019

Mr. Christopher Allan
New York State Department of Environmental Conservation
Hunters Point Plaza, 47-40 21st Street
Long Island City, NY 11101

Re: **Semi-Annual Groundwater Monitoring Report**
Info Tech High School – 21-16 44th Road, Long Island City, NY 11101
NYSDEC VCP Site Number V00366-2

Dear Mr. Allan:

Arnold Fleming, P.E. and Fleming-Lee Shue Inc. (FLS) present this Semi-Annual Groundwater Monitoring Report for NYSDEC VCP Site Number V00366-2 located at 21-16 44th Road in Long Island City, New York (the Site). The Site is currently in Site Management and this groundwater monitoring event was completed in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved Site Management Plan (SMP) dated September 2008 and the subsequent Site Management Plan Modifications dated June 2017 and December 2018. FLS replaced Leggete, Brashears & Graham Inc. (LBG) as the lead consultant for the Site in June 2017.

Background
The Site was enrolled in the Voluntary Cleanup Program (VCP) as Site Number V00366-2 in September 2000. The Site is approximately 44,500 square feet and is currently occupied by Information Technology High School. The Site is comprised of the school building, a courtyard and an alley on the eastern side of the building. The Site is a former drapery hardware manufacturer and the eastern portion of the Site was used for metal cleaning, painting, degreasing, oil-extraction, plating and painting. The building was converted to a high school in 2003.

Findings presented in the 2002 Remedial Investigation Report by LBG revealed high concentrations of volatile organic compounds (VOC), primarily tetrachloroethylene (PCE) and other chlorinated solvents, in soil, groundwater and soil vapor. Concentrations of chlorinated solvents are attributed to the degreasing operation formerly located along the interior south wall as well as the solvent storage area located immediately outside the building adjacent to the degreasing machine.

The remedial actions, outlined in the Remedial Action Work Plan submitted by LBG in 2003, included the removal of contaminated soil, basement ash, and sediment. Engineering controls installed include a vapor barrier, sub-slab depressurization system (SSDS), groundwater pump and treat system, and soil vapor extraction (SVE) system. The SVE system was shut down and associated monitoring discontinued in October 2010 due to consistently low and/or non-detect VOC concentrations. As per LBG's monthly inspection report, any monitoring of SVE wells will only be performed at the request of NYSDEC. The groundwater pump and treat system was disabled on April 28, 2014 and monitoring discontinued in the second quarter of 2014 due to reduced concentrations of VOCs in groundwater and as per approval provided by NYSDEC on April 24, 2014.

Geology and Hydrogeology

As presented in the SMP prepared by LBG dated September 2008, the Site is located in the Atlantic Coastal Plain physiographic province. The geology of this province is comprised of interbedded layers of sand, clay and marl. In Long Island, the marine deposits are overlain by drift. The marine deposits are Cretaceous and Quaternary. The drift deposits are derived from glacial activity that occurred during the Pleistocene. The total thickness of the marine and glacial deposits in Queens County ranges from 0 foot in northwestern Queens to 1,100 feet thick in southeastern Queens.

The groundwater resources that underlie western Long Island is composed of a series of unconsolidated deposits of sand, gravel and clay of late Cretaceous and Pleistocene age. The principal water-bearing units that provide usable quantities of water are the Upper Glacial Aquifer, the Jameco Aquifer, the Magothy Aquifer and the Lloyd Aquifer. Except for the Upper Glacial Aquifer and Jameco Aquifer, these units are vertically separated from each other by confining clay units.

The SMP indicates that the topography of the Site area is generally level. Prior investigations have shown the ground surface elevations at the Site are approximately 15 feet above mean sea level. Shallow sediments beneath the Site consist primarily of silt and ash/fill material, underlain by fine to medium sand. The upper silt layer is between 4 and 16 feet thick and exists across most of the Site. Beneath the silt layer is a layer of fine to medium sand, which was encountered in all areas of the Site. The sand extends down to the bedrock surface, which was encountered between 17 and 27 feet below grade (fbg). During drilling activities overseen by LBG, groundwater was encountered in the sand layer, approximately 4 fbg beneath the basement and 13 fbg across the remainder of the Site.

Groundwater Elevations Measurements
Prior to sampling, a synoptic round of water-level measurements was collected on September 10, 2019 using a water-level meter. Well gauging results and well specification details are provided in Table 2. Groundwater elevations ranged from 2.06 ft-above mean sea level (amsl) (MW-1) to 2.40 ft-amsl (MW-9). Historically, groundwater flow has been to the south, however, during the last two gauging events localized groundwater flow was measured to be towards the northeast.

Groundwater Monitoring Program

The objectives of the groundwater monitoring program include the following:

- Provide a current round of groundwater analytical data from the monitoring wells; and
- Evaluate the existing groundwater conditions and chlorinated VOC concentration (tetrachloroethene [PCE] and trichloroethene [TCE]) trends at the Site.

The groundwater monitoring program involves the following activities:

- Measurement of groundwater field parameters including pH, dissolved oxygen (DO), total dissolved solids (TDS), conductivity, oxidation-reduction potential (ORP), turbidity, salinity, and temperature to determine groundwater conditions; and

- Collection of groundwater samples analyzed for VOCs to evaluate chlorinated VOC concentration trends and monitor natural attenuation.

Groundwater Sampling Procedures

Following the water-level measurements, groundwater samples were collected from nine on-Site monitoring wells (MW-1, MW-6, MW-7, MW-8, MW-9, BMRW-1, BMRW-2, BMRW-3 and RW-1) and the one off-Site monitoring well (MW-1).

Groundwater samples were collected using the low-flow sampling method (EPA Low-Flow Groundwater Sampling Procedures, April 1996). Each monitoring well was purged prior to sampling using a peristaltic pump until groundwater parameters (temperature, pH, DO, conductivity, ORP, TDS, and turbidity) stabilized or three well volumes of water were purged. Water-quality measurements were monitored using a Horiba U-52 multi-parameter water-quality meter. The monitoring well purging logs are included in Appendix A.

After the stabilization of the groundwater parameters, samples were collected via dedicated pump tubing directly into laboratory-supplied containers. After sample collection each container was labeled, placed on ice in an insulated cooler and transported under chain-of-custody protocol to SGS Accutest Laboratories of Dayton, New Jersey, a New York Environmental Laboratory Approval Program Certified Laboratory. The groundwater samples were analyzed for Target Compounds List (TCL) VOCs by EPA Method 8260C.

Summary of Analytical Results

The groundwater analytical results were compared to the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values (TOGS Standard) and are summarized in Table 3. Figure 2 presents the results on the Site Plan, and the laboratory data report is provided in Appendix B.

PCE was detected in all nine of the monitoring wells sampled, and ranged from 1.9 µg/L (MW-7) to 1,220 µg/L (BMRW-2). The highest concentrations were present at BMRW-3 (571 µg/L), MW-1 (625 µg/L), and BMRW-2 (1,220 µg/L) indicating PCE contamination may be localized to the center of the Site extending north from the former drum storage area towards 44th Road.

Analytical results show that TCE was detected in eight out of the nine monitoring well samples and at a concentration exceeding the TOGS Standard in three out of the nine wells sampled. Concentrations of TCE ranged from non-detect in MW-7 to 176 µg/L in BMRW-2. TCE concentrations were observed to be above the TOGS Standard in RW-1 (11 µg/L), BMRW-3 (141 µg/L) and BMRW-2 (176 µg/L).

Concentrations of cis-1,2-Dichloroethene (cis-DCE) ranged from non-detect in MW-1, MW-6, MW-7 and MW-8 to 354 µg/L in RW-1. Cis-DCE exceeded the TOGS Standard in BMRW-2 (23 µg/L), BMRW-3 (16.7 µg/L) and RW-1 (354 µg/L). Similar to PCE, the highest concentrations of daughter products TCE and cis-DCE appear to be localized to the center of the Site near the former drum storage area.

Table 4 – VOC Summary

		Sample Name								
Volatile Organic Compound	TOGS Standard	MW-1	MW-6	MW-7	MW-8	MW-9	BMRW-1	BMRW-2	BMRW-3	RW-1
Cis-DCE	5	ND	ND	ND	ND	0.62	1.3	**23**	**16.7**	**354**
TCE	5	4.6	2.3	ND	2.4	3	2.8	**176**	**141**	**11**
PCE	5	**625**	**68.6**	1.9	**64.9**	**74.7**	**8.5**	**1220**	**571**	**149**

*All concentrations are in µg/L
Concentrations above the TOGS Standard are in bold. ND = Not detected above laboratory reporting limit.

Conclusions and Recommendations

The only compounds exceeding TOGS Standards were chlorinated solvents PCE, TCE and cis-DCE. PCE concentrations exceeded TOGS Standards in eight of the nine wells sampled. Concentrations of TCE and cis-DCE exceeded in three of the nine wells. Graphs plotting PCE and TCE concentration trends over time are included as an attachment.

The highest PCE concentration was identified at BMRW-2 (1,220 µg/L). This represents an increase from the most recent sampling event on April 16, 2019 (895 µg/L), but an overall decrease

from the historical maximum concentration (4,600 µg/L) recorded during the September 26, 2016 groundwater monitoring event. PCE concentrations have increased (on average) since September 2011, however, since 2016 concentrations have exhibited an overall decreasing trend.

The highest TCE concentration identified during the September 10, 2019 groundwater monitoring event was also in BMRW-2 (176 µg/L). This represents an increase from the most recent sampling event on April 16, 2019 (78 µg/L) and is the highest concentration recorded at this location. This is likely the result of natural PCE dechlorination and degradation into its associated daughter products. As natural attenuation of the contaminant continues, variation in daughter product concentrations (TCE and all DCE stereoisomers) can be expected. As illustrated in the provided graphs, while concentrations of TCE remain above the TOGS Standard in three of the monitoring wells, the trends appear to be stable (with slight seasonal variability) throughout the sampling history.

Generally, contaminant concentrations appear to be isolated to the center of the Site from the former drum storage area extending north towards 44th Road. Additionally, highest concentrations of chlorinated solvents have been observed in deeper wells. It should be noted that historically, chlorinated solvent impacts related to Site use were isolated to the overburden. Therefore, the increase of PCE concentrations in bedrock monitoring wells from 2011 to 2016 strongly suggests an off-Site source contributing to the residual dissolved phase impacts on Site. Regardless, since 2016 PCE has continued to degrade in all high concentration areas including the bedrock wells. This trend will likely continue forward and therefore variability in PCE daughter products will likely occur as the natural attenuation process continues.

Semi-annual groundwater monitoring will continue in accordance with the approved modified SMP to further assess groundwater quality and the potential for off-Site sources impacting the Site. The next groundwater monitoring event is scheduled for April 2020.

Please contact us with any comments or questions.

Sincerely,

Fleming-Lee Shue, Inc.

Arnold F. Fleming, P.E.
President

Mark Hutson, P.G.
Associate

cc:	John Belanich	Bell Realty (e-copy)
	Joseph Reed	ITHS (e-copy)
	Dawn Hetrick	NYSDOH (e-copy)

enc**:**	Table 1	Groundwater Monitoring and Sampling Summary
	Table 2	Monitoring Well Gauging Results
	Table 3	Volatile Organic Compounds in Groundwater
	Table 4	Summary of VOCs of Concern (in-text)
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	Figure 2	Site Plan and VOC Concentrations in Groundwater
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	Appendix B	Laboratory Analytical Data Report

Tables

Table 1
Groundwater Monitoring and Sampling Summary
Semi-Annual Groundwater Monitoring Report
Info Tech High School, VCP Site No. V00366-2

Well-ID	Date Gauged/Sampled	TCL VOCs
MW-1	9/10/2019	x
MW-6	9/10/2019	x
MW-7	9/10/2019	x
MW-8	9/10/2019	x
MW-9	9/10/2019	x
BMRW-1	9/10/2019	x
BMRW-2	9/10/2019	x
BMRW-3	9/10/2019	x
RW-1	9/10/2019	x

Notes:
TCL VOCs - Target Compound List Volatile Organic Compounds

Table 2
Monitoring Well Gauging Results
Semi-Annual Groundwater Monitoring Report
Info Tech High School, VCP Site No. V00366-2

Well ID	Total Depth feet	Well diameter inches	Top of Casing Elevation ft-msl	Depth to Water ft-btc	Groundwater Elevation ft-msl
MW-1	19.27	2.0	16.67	14.61	2.06
MW-2	18.60	2.0	15.58	13.26	2.32
MW-6	25.78	4.0	17.29	14.93	2.36
MW-7	21.44	4.0	17.19	14.91	2.28
MW-8	15.00	4.0	8.87	6.52	2.35
MW-9	15.86	4.0	8.91	6.51	2.40
BMRW-1	26.00	2.0	16.86	14.74	2.12
BMRW-2	22.63	2.0	16.90	14.59	2.31
BMRW-3	28.58	2.0	16.92	14.55	2.37
RW-1	21.89	8.0	16.17	13.92	2.25

Notes:
Gauging conducted on 9/10/2019
ft-msl = feet relative to mean sea level
- = Not Applicable

Table 3
Volatile Organic Compounds in Groundwater
Semi-Annual Groundwater Monitoring Report
Info Tech High School, VCP Site No. V00366-2

Sample ID		MW-1	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2	MW-6	MW-6	MW-6	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7
Lab Sample ID	Class GA	JC51932-2	JC63263-6	JC74822-1	JC86484-1	JC94740-1	JC51932-1	JC63263-8	JC74822-2	JC51932-7	JC63263-9	JC74822-5	JC86484-5	JC94740-7	JC51932-4	JC63263-1	JC74822-10	JC86484-6	JC94740-9
Date Sample Collected	Standards	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	9/27/2017	3/29/2018	9/28/2018	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Volatile Organic Compounds																			
Acetone	-	ND (5.0)	ND (5.0)	ND (30) a	ND (30)	ND (12)	ND (5.0)	ND (5.0)	ND (6.0)	ND (5.0)	ND (5.0)	ND (6.0) a	ND (6.0)	ND (6.0)	ND (5.0)	ND (5.0)	ND (6.0) a	ND (6.0)	ND (6.0)
Benzene	1	ND (0.17)	ND (0.17)	ND (2.1)	ND (2.1)	ND (0.85)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)
Bromochloromethane	5	ND (0.38)	ND (0.38)	ND (2.4)	ND (2.4)	ND (0.96)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)
Bromodichloromethane	-	ND (0.22)	ND (0.22)	ND (2.9)	ND (2.9)	ND (1.2)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)
Bromoform	-	ND (0.42)	ND (0.42)	ND (3.2)	ND (3.2)	ND (1.3)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)
Bromomethane	5	ND (1.4)	ND (1.4)	ND (8.2)	ND (8.2) a	ND (3.3)	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6) a	ND (1.6)	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6) a	ND (1.6)
2-Butanone (MEK)	-	ND (4.8)	ND (4.8)	ND (34) a	ND (34)	ND (14)	ND (4.8)	ND (4.8)	ND (6.9)	ND (4.8)	ND (4.8)	ND (6.9) a	ND (6.9)	ND (6.9)	ND (4.8)	ND (4.8)	ND (6.9) a	ND (6.9)	ND (6.9)
Carbon disulfide	60	ND (0.23)	ND (0.50)	ND (4.8)	ND (4.8)	ND (1.9)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)
Carbon tetrachloride	5	ND (0.34)	ND (0.34)	ND (2.8)	ND (2.8)	ND (1.1)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)
Chlorobenzene	5	ND (0.24)	ND (0.24)	ND (2.8)	ND (2.8)	ND (1.1)	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)
Chloroethane	5	ND (0.59)	ND (0.59)	ND (3.6)	ND (3.6)	ND (1.5)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)
Chloroform	7	ND (0.29)	ND (0.29)	ND (2.5)	ND (2.5)	ND (1.0)	ND (0.29)	ND (0.29)	ND (0.50)	ND (0.29)	0.31 J	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.29)	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)
Chloromethane	5	ND (0.53)	ND (0.53)	ND (3.8)	ND (3.8) a	ND (1.5)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76) a	ND (0.76)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76) a	ND (0.76)
Cyclohexane	-	ND (0.63)	ND (0.63)	ND (3.9)	ND (3.9)	ND (1.6)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	ND (0.69)	ND (0.69)	ND (6.0)	ND (6.0)	ND (2.4)	ND (0.69)	ND (0.69)	ND (1.2) b	ND (0.69)	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.69)	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)
Dibromochloromethane	-	ND (0.16)	ND (0.16)	ND (2.8)	ND (2.8)	ND (1.1)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)
1,2-Dibromoethane	0.0006	ND (0.21)	ND (0.21)	ND (2.4)	ND (2.4)	ND (0.95)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)
1,2-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (2.7)	ND (2.7)	ND (1.1)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (2.7)	ND (2.7)	ND (1.1)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (2.5)	ND (2.5)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	5	ND (1.9)	ND (1.9)	ND (6.8)	ND (6.8) a	ND (2.7)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4) a	ND (1.4)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4) a	ND (1.4)
1,1-Dichloroethane	5	ND (0.21)	ND (0.21)	ND (2.8)	ND (2.8)	ND (1.1)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)
1,2-Dichloroethane	0.6	ND (0.20)	ND (0.20)	ND (3.0)	ND (3.0)	ND (1.2)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)
1,1-Dichloroethene	5	ND (0.47)	ND (0.47)	ND (3.0)	ND (3.0)	ND (1.2)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	ND (0.59)
cis-1,2-Dichloroethene	5	ND (0.50)	0.51 J	ND (2.5)	3.0 J	ND (1.0)	0.58 J	1.1	ND (0.51)	ND (0.50)	0.59 J	ND (0.51)	1.4	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)
trans-1,2-Dichloroethene	5	ND (0.40)	ND (0.40)	ND (2.7)	ND (2.7)	ND (1.1)	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)
1,2-Dichloropropane	1	ND (0.24)	ND (0.24)	ND (2.5)	ND (2.5)	ND (1.0)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	-	ND (0.25)	ND (0.25)	ND (2.4)	ND (2.4)	ND (0.94)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)
trans-1,3-Dichloropropene	-	ND (0.22)	ND (0.22)	ND (2.2)	ND (2.2)	ND (0.86)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)
1,4-Dioxane	-	ND (52)	ND (52)	ND (350)	ND (350)	ND (140)	ND (52)	ND (52)	ND (69)	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)
Ethylbenzene	5	ND (0.22)	ND (0.22)	ND (3.0)	ND (3.0)	ND (1.2)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)
Freon 113	5	ND (1.2)	ND (1.2)	ND (9.7)	ND (9.7)	ND (3.9)	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)
2-Hexanone	-	ND (3.3)	ND (3.3)	ND (10)	ND (10)	ND (4.1)	ND (3.3)	ND (3.3)	ND (2.0)	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)
Isopropylbenzene	5	ND (0.25)	ND (0.25)	ND (3.2)	ND (3.2)	ND (1.3)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)
Methyl Acetate	-	ND (3.1)	ND (3.1)	ND (4.0)	ND (4.0)	ND (1.6)	ND (3.1)	ND (3.1)	ND (0.80)	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)
Methylcyclohexane	-	ND (1.8)	ND (1.8)	ND (3.0)	ND (3.0)	ND (1.2)	ND (1.8)	ND (1.8)	ND (0.60)	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)
Methyl Tert Butyl Ether	10	ND (0.25)	ND (0.25)	ND (2.5)	ND (2.5)	ND (1.0)	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)
4-Methyl-2-pentanone(MIBK)	-	ND (3.0)	ND (3.0)	ND (9.3)	ND (9.3)	ND (3.7)	ND (3.0)	ND (3.0)	ND (1.9)	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)
Methylene chloride	5	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	ND (0.24)	ND (0.24)	ND (3.5)	ND (3.5)	ND (1.4)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)
1,1,2,2-Tetrachloroethane	5	ND (0.17)	ND (0.17)	ND (3.3)	ND (3.3)	ND (1.3)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)
Tetrachloroethene	5	**114**	**50.4**	**615**	**5290**	**625**	ND (0.50)	ND (0.50)	ND (0.90)	**91.2**	**187**	**65.6**	**172**	**68.6**	**56.1**	**6.9**	**17.3**	**35.6**	1.9
Toluene	5	ND (0.25)	ND (0.25)	ND (2.7)	ND (2.7)	ND (1.1)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)
1,2,3-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (2.5)	ND (2.5)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50) b	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (2.5)	ND (2.5)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50) b	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,1,1-Trichloroethane	5	ND (0.25)	ND (0.25)	ND (2.7)	ND (2.7)	ND (1.1)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)
1,1,2-Trichloroethane	1	ND (0.24)	ND (0.24)	ND (2.7)	ND (2.7)	ND (1.1)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)
Trichloroethene	5	2.8	1.9	3.8 J	17.7	4.6	ND (0.27)	ND (0.27)	ND (0.53)	2.1	**7.1**	1.7	**11.5**	2.3	1.1	ND (0.27)	ND (0.53)	0.85 J	ND (0.53)
Trichlorofluoromethane	5	ND (0.60)	ND (0.60)	ND (4.2)	ND (4.2) a	ND (1.7)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)
Vinyl chloride	2	ND (0.62)	ND (0.62)	ND (3.9)	ND (3.9) a	ND (1.6)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79) a	ND (0.79)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79) a	ND (0.79)
m,p-Xylene	-	ND (0.43)	ND (0.43)	ND (3.9)	ND (3.9)	ND (1.6)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)
o-Xylene	5	ND (0.22)	ND (0.22)	ND (3.0)	ND (3.0)	ND (1.2)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)
Xylene (total)	5	ND (0.22)	ND (0.22)	ND (3.0)	ND (3.0)	ND (1.2)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)
Total VOCs	NC	116.8	52.3	618.8	5310.7	629.6	0	1.1	0	93.3	194.1	67.3	184.9	70.9	57.2	6.9	17.3	36.45	1.9
Total BTEX	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
Results reported in micrograms per liter (ug/L)
Exceedances bolded and highlighted in gray
ND = Not detected above laboratory reporting limit
NC = No Criterion
J = Estimated Value
Class GA Value = Class GA Standards and Guidance Values (NYSDEC's June 1998 *Division of Water Technical and Operational Guidance Series*)

Table 3
Volatile Organic Compounds in Groundwater
Semi-Annual Groundwater Monitoring Report
Info Tech High School, VCP Site No. V00366-2

Sample ID		MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	BMRW-1	BMRW-1	BMRW-1	BMRW-1	BMRW-1
Lab Sample ID	Class GA	JC51932-5	JC63263-4	JC74822-7	JC86484-7	JC94740-4	JC51932-3	JC63263-5	JC74822-6	JC74822-6	JC86484-8	JC94740-2	JC51932-10	JC63263-7	JC74822-3	JC86484-2	JC94740-3
Date Sample Collected	Standards	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	9/27/2017	3/29/2018	9/28/2018	9/28/2018	4/16/2019	9/10/2019	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Volatile Organic Compounds																	
Acetone	-	ND (5.0)	ND (5.0)	ND (6.0) a	ND (6.0)	ND (6.0)	ND (5.0)	ND (5.0)	ND (6.0) a	ND (6.0) a	ND (6.0)	ND (6.0)	ND (5.0)	ND (5.0)	ND (6.0)	ND (6.0)	ND (6.0)
Benzene	1	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)
Bromochloromethane	5	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)
Bromodichloromethane	-	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)
Bromoform	-	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)
Bromomethane	5	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6) a	ND (1.6)	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6)	ND (1.6) a	ND (1.6)	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6) a	ND (1.6)
2-Butanone (MEK)	-	ND (4.8)	ND (4.8)	ND (6.9) a	ND (6.9)	ND (6.9)	ND (4.8)	ND (4.8)	ND (6.9) a	ND (6.9) a	ND (6.9)	ND (6.9)	ND (4.8)	ND (4.8)	ND (6.9)	ND (6.9)	ND (6.9)
Carbon disulfide	60	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)
Carbon tetrachloride	5	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)
Chlorobenzene	5	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	1.5	1.4	1.3	1.4	1.8
Chloroethane	5	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)
Chloroform	7	0.38 J	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)	0.35 J	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.29)	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)
Chloromethane	5	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76) a	ND (0.76)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76)	ND (0.76) a	ND (0.76)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76) a	ND (0.76)
Cyclohexane	-	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	ND (0.69)	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.69)	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.69)	ND (0.69)	ND (1.2) b	ND (1.2)	ND (1.2)
Dibromochloromethane	-	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)
1,2-Dibromoethane	0.0006	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)
1,2-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	3	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	5	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4) a	ND (1.4)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4)	ND (1.4) a	ND (1.4)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4) a	ND (1.4)
1,1-Dichloroethane	5	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)
1,2-Dichloroethane	0.6	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)
1,1-Dichloroethene	5	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	ND (0.59)
cis-1,2-Dichloroethene	5	0.65 J	0.69 J	ND (0.51)	0.69 J	ND (0.51)	ND (0.50)	2.3	ND (0.51)	ND (0.51)	ND (0.51)	0.62 J	1.7	0.94 J	2.2	2	1.3
trans-1,2-Dichloroethene	5	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)
1,2-Dichloropropane	1	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	-	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)
trans-1,3-Dichloropropene	-	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)
1,4-Dioxane	-	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)	ND (69)	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)
Ethylbenzene	5	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)
Freon 113	5	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)
2-Hexanone	-	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)
Isopropylbenzene	5	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)
Methyl Acetate	-	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)
Methylcyclohexane	-	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)
Methyl Tert Butyl Ether	10	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	0.35 J	0.35 J	ND (0.51)	0.52 J	ND (0.51)
4-Methyl-2-pentanone(MIBK)	-	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)
Methylene chloride	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)
1,1,2,2-Tetrachloroethane	5	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)
Tetrachloroethene	5	**109**	**111**	**40.5**	**41**	**64.9**	**76.8**	**151**	**71.1**	**71.1**	**42.7**	**74.7**	**21.5**	**12.4**	**10.4**	**21.6**	**8.5**
Toluene	5	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)
1,2,3-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50) b	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50) b	ND (0.50)	ND (0.50)
1,1,1-Trichloroethane	5	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)
1,1,2-Trichloroethane	1	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)
Trichloroethene	5	4.2	5	1.4	2.1	2.4	1.7	**10.4**	2.7	2.7	1.9	3	3.9	2.7	4.4	6.9	2.8
Trichlorofluoromethane	5	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)
Vinyl chloride	2	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79) a	ND (0.79)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79)	ND (0.79) a	ND (0.79)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79) a	ND (0.79)
m,p-Xylene	-	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)
o-Xylene	5	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)
Xylene (total)	5	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)
Total VOCs	NC	113.2	116	41.9	43.79	67.3	78.5	163.7	73.8	73.8	44.6	78.3	28.6	16.5	16.1	28.5	14.4
Total BTEX	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
Results reported in micrograms per liter (ug/L)
Exceedances bolded and highlighted in gray
ND = Not detected above laboratory reporting limit
NC = No Criterion
J = Estimated Value
Class GA Value = Class GA Standards and Guidance Values (NYSDEC's June 1998 *Division of Water Technical and Operational Guidance Series*)

Table 3
Volatile Organic Compounds in Groundwater
Semi-Annual Groundwater Monitoring Report
Info Tech High School, VCP Site No. V00366-2

Sample ID	Class GA Standards	BMRW-2	BMRW-2	BMRW-2	BMRW-2	BMRW-2	BMRW-3	BMRW-3	BMRW-3	BMRW-3	BMRW-3	RW-1	RW-1	RW-1	RW-1	RW-1
Lab Sample ID		JC51932-8	JC63263-10	JC74822-4	JC86484-3	JC94740-5	JC51932-6	JC63263-2	JC74822-9	JC86484-4	JC94740-8	JC51932-9	JC63263-3	JC74822-8	JC86484-9	JC94740-6
Date Sample Collected		9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019	9/27/2017	3/29/2018	9/28/2018	4/16/2019	9/10/2019
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Volatile Organic Compounds																
Acetone	-	ND (25)	ND (20)	ND (24)	ND (12)	ND (30)	ND (5.0)	ND (10)	ND (6.0)	ND (6.0)	ND (12)	ND (5.0)	ND (5.0)	ND (6.0) a	ND (6.0)	ND (6.0)
Benzene	1	ND (0.87)	ND (0.70)	ND (1.7)	ND (0.85)	ND (2.1)	ND (0.17)	ND (0.35)	ND (0.43)	ND (0.43)	ND (0.85)	ND (0.17)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)
Bromochloromethane	5	ND (1.9)	ND (1.5)	ND (1.9)	ND (0.96)	ND (2.4)	ND (0.38)	ND (0.77)	ND (0.48)	ND (0.48)	ND (0.96)	ND (0.38)	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)
Bromodichloromethane	-	ND (1.1)	ND (0.87)	ND (2.3)	ND (1.2)	ND (2.9)	ND (0.22)	ND (0.43)	ND (0.58)	ND (0.58)	ND (1.2)	ND (0.22)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)
Bromoform	-	ND (2.1)	ND (1.7)	ND (2.5)	ND (1.3)	ND (3.2)	ND (0.42)	ND (0.85)	ND (0.63)	ND (0.63)	ND (1.3)	ND (0.42)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)
Bromomethane	5	ND (6.9)	ND (5.5)	ND (6.6)	ND (3.3) a	ND (8.2)	ND (1.4)	ND (2.7)	ND (1.6)	ND (1.6) a	ND (3.3) a	ND (1.4)	ND (1.4)	ND (1.6)	ND (1.6) a	ND (1.6) a
2-Butanone (MEK)	-	ND (24)	ND (19)	ND (27)	ND (14)	ND (34)	ND (4.8)	ND (9.5)	ND (6.9)	ND (6.9)	ND (14)	ND (4.8)	ND (4.8)	ND (6.9) a	ND (6.9)	ND (6.9)
Carbon disulfide	60	ND (1.2)	ND (2.0)	ND (3.8)	ND (1.9)	ND (4.8)	ND (0.23)	ND (1.0)	ND (0.95)	ND (0.95)	ND (1.9)	ND (0.23)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)
Carbon tetrachloride	5	ND (1.7)	ND (1.3)	ND (2.2)	ND (1.1)	ND (2.8)	ND (0.34)	ND (0.67)	ND (0.55)	ND (0.55)	ND (1.1)	ND (0.34)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)
Chlorobenzene	5	ND (1.2)	ND (0.95)	ND (2.2)	ND (1.1)	ND (2.8)	ND (0.24)	ND (0.48)	ND (0.56)	ND (0.56)	ND (1.1)	ND (0.24)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)
Chloroethane	5	ND (3.0)	ND (2.4)	ND (2.9)	ND (1.5)	ND (3.6)	ND (0.59)	ND (1.2)	ND (0.73)	ND (0.73)	ND (1.5)	ND (0.59)	ND (0.59)	ND (0.73)	ND (0.73)	ND (0.73)
Chloroform	7	ND (1.4)	ND (1.1)	ND (2.0)	ND (1.0)	ND (2.5)	0.33 J	ND (0.57)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.29)	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)
Chloromethane	5	ND (2.7)	ND (2.1)	ND (3.0)	ND (1.5)	ND (3.8)	ND (0.53)	ND (1.1)	ND (0.76)	ND (0.76) a	ND (1.5)	ND (0.53)	ND (0.53)	ND (0.76)	ND (0.76) a	ND (0.76)
Cyclohexane	-	ND (3.2)	ND (2.5)	ND (3.1)	ND (1.6)	ND (3.9)	ND (0.63)	ND (1.3)	ND (0.78)	ND (0.78)	ND (1.6)	ND (0.63)	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	ND (3.4)	ND (2.8)	ND (4.8)	ND (2.4)	ND (6.0)	ND (0.69)	ND (1.4)	ND (1.2)	ND (1.2)	ND (2.4)	ND (0.69)	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)
Dibromochloromethane	-	ND (0.82)	ND (0.66)	ND (2.2)	ND (1.1)	ND (2.8)	ND (0.16)	ND (0.33)	ND (0.56)	ND (0.56)	ND (1.1)	ND (0.16)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)
1,2-Dibromoethane	0.0006	ND (1.1)	ND (0.85)	ND (1.9)	ND (0.95)	ND (2.4)	ND (0.21)	ND (0.42)	ND (0.48)	ND (0.48)	ND (0.95)	ND (0.21)	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)
1,2-Dichlorobenzene	3	ND (2.5)	ND (2.0)	ND (2.1)	ND (1.1)	ND (2.7)	ND (0.50)	ND (1.0)	ND (0.53)	ND (0.53)	ND (1.1)	ND (0.50)	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	3	ND (2.5)	ND (2.0)	ND (2.2)	ND (1.1)	ND (2.7)	ND (0.50)	ND (1.0)	ND (0.54)	ND (0.54)	ND (1.1)	ND (0.50)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	3	ND (2.5)	ND (2.0)	ND (2.0)	ND (1.0)	ND (2.5)	ND (0.50)	ND (1.0)	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	5	ND (9.3)	ND (7.4)	ND (5.4)	ND (2.7) a	ND (6.8)	ND (1.9)	ND (3.7)	ND (1.4)	ND (1.4) a	ND (2.7)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.4) a	ND (1.4)
1,1-Dichloroethane	5	ND (1.0)	ND (0.83)	ND (2.3)	ND (1.1)	ND (2.8)	ND (0.21)	ND (0.41)	ND (0.57)	ND (0.57)	ND (1.1)	ND (0.21)	ND (0.21)	ND (0.57)	ND (0.57)	ND (0.57)
1,2-Dichloroethane	0.6	ND (1.0)	ND (0.80)	ND (2.4)	ND (1.2)	ND (3.0)	ND (0.20)	ND (0.40)	ND (0.60)	ND (0.60)	ND (1.2)	ND (0.20)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)
1,1-Dichloroethene	5	ND (2.4)	ND (1.9)	ND (2.4)	ND (1.2)	ND (3.0)	ND (0.47)	ND (0.95)	ND (0.59)	0.83 J	ND (1.2)	ND (0.47)	ND (0.47)	ND (0.59)	ND (0.59)	0.68 J
cis-1,2-Dichloroethene	5	**11.9**	**7.6**	**16.3**	**13.1**	**23**	4.7	**18.9**	**5.4**	**9.9**	**16.7**	**19.9**	**8.6**	**11.6**	**108**	**354**
trans-1,2-Dichloroethene	5	ND (2.0)	ND (1.6)	ND (2.1)	ND (1.1)	ND (2.7)	1.1	1.2 J	1.5	1.9	1.5 J	ND (0.40)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)
1,2-Dichloropropane	1	ND (1.2)	ND (0.94)	ND (2.0)	ND (1.0)	ND (2.5)	ND (0.24)	ND (0.47)	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.24)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	-	ND (1.3)	ND (1.0)	ND (1.9)	ND (0.94)	ND (2.4)	ND (0.25)	ND (0.50)	ND (0.47)	ND (0.47)	ND (0.94)	ND (0.25)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)
trans-1,3-Dichloropropene	-	ND (1.1)	ND (0.86)	ND (1.7)	ND (0.86)	ND (2.2)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.86)	ND (0.22)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)
1,4-Dioxane	-	ND (260)	ND (210)	ND (280)	ND (140)	ND (350)	ND (52)	ND (100)	ND (69)	ND (69)	ND (140)	ND (52)	ND (52)	ND (69)	ND (69)	ND (69)
Ethylbenzene	5	ND (1.1)	ND (0.90)	ND (2.4)	ND (1.2)	ND (3.0)	ND (0.22)	ND (0.45)	ND (0.60)	ND (0.60)	ND (1.2)	ND (0.22)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)
Freon 113	5	ND (6.2)	ND (4.9)	ND (7.8)	ND (3.9)	ND (9.7)	ND (1.2)	ND (2.5)	ND (1.9)	ND (1.9)	ND (3.9) b	ND (1.2)	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9) b
2-Hexanone	-	ND (16)	ND (13)	ND (8.1)	ND (4.1)	ND (10)	ND (3.3)	ND (6.5)	ND (2.0)	ND (2.0)	ND (4.1)	ND (3.3)	ND (3.3)	ND (2.0)	ND (2.0)	ND (2.0)
Isopropylbenzene	5	ND (1.3)	ND (1.0)	ND (2.6)	ND (1.3)	ND (3.2)	ND (0.25)	ND (0.50)	ND (0.65)	ND (0.65)	ND (1.3)	ND (0.25)	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)
Methyl Acetate	-	ND (15)	ND (12)	ND (3.2)	ND (1.6)	ND (4.0)	ND (3.1)	ND (6.1)	ND (0.80)	ND (0.80)	ND (1.6)	ND (3.1)	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)
Methylcyclohexane	-	ND (9.2)	ND (7.4)	ND (2.4)	ND (1.2)	ND (3.0)	ND (1.8)	ND (3.7)	ND (0.60)	ND (0.60)	ND (1.2)	ND (1.8)	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)
Methyl Tert Butyl Ether	10	ND (1.3)	ND (1.0)	ND (2.0)	ND (1.0)	ND (2.5)	ND (0.25)	ND (0.50)	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.25)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)
4-Methyl-2-pentanone(MIBK)	-	ND (15)	ND (12)	ND (7.4)	ND (3.7)	ND (9.3)	ND (3.0)	ND (6.0)	ND (1.9)	ND (1.9)	ND (3.7)	ND (3.0)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)
Methylene chloride	5	ND (5.0)	ND (4.0)	ND (4.0)	ND (2.0)	ND (5.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	ND (1.2)	ND (0.97)	ND (2.8)	ND (1.4)	ND (3.5)	ND (0.24)	ND (0.48)	ND (0.70)	ND (0.70)	ND (1.4)	ND (0.24)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)
1,1,2,2-Tetrachloroethane	5	ND (0.84)	ND (0.67)	ND (2.6)	ND (1.3)	ND (3.3)	ND (0.17)	ND (0.34)	ND (0.65)	ND (0.65)	ND (1.3)	ND (0.17)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)
Tetrachloroethene	5	**1060**	**1330**	**1340**	**895**	**1220**	**435**	**724**	**425**	**987**	**571**	**404**	**311**	**171**	**105**	**149**
Toluene	5	ND (1.2)	ND (0.99)	ND (2.1)	ND (1.1)	ND (2.7)	ND (0.25)	ND (0.50)	ND (0.53)	ND (0.53)	ND (1.1)	ND (0.25)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)
1,2,3-Trichlorobenzene	5	ND (2.5)	ND (2.0)	ND (2.0)	ND (1.0)	ND (2.5)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	5	ND (2.5)	ND (2.0)	ND (2.0)	ND (1.0)	ND (2.5)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,1,1-Trichloroethane	5	ND (1.3)	ND (1.0)	ND (2.1)	ND (1.1)	ND (2.7)	ND (0.25)	ND (0.50)	ND (0.54)	ND (0.54)	ND (1.1)	ND (0.25)	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)
1,1,2-Trichloroethane	1	ND (1.2)	ND (0.96)	ND (2.1)	ND (1.1)	ND (2.7)	ND (0.24)	ND (0.48)	ND (0.53)	0.55 J	ND (1.1)	ND (0.24)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)
Trichloroethene	5	**106**	**115**	**121**	**78**	**176**	**33.2**	**64.3**	**57.4**	**88.6**	**141**	**19.3**	**13.4**	**10.4**	**5.5**	**11**
Trichlorofluoromethane	5	ND (3.0)	ND (2.4)	ND (3.3)	ND (1.7)	ND (4.2)	ND (0.60)	ND (1.2)	ND (0.84)	ND (0.84) a	ND (1.7)	ND (0.60)	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)
Vinyl chloride	2	ND (3.1)	ND (2.5)	ND (3.1)	ND (1.6) a	ND (3.9)	ND (0.62)	ND (1.2)	ND (0.79)	ND (0.79) a	ND (1.6)	ND (0.62)	ND (0.62)	ND (0.79)	ND (0.79) a	ND (0.79)
m,p-Xylene	-	ND (2.1)	ND (1.7)	ND (3.1)	ND (1.6)	ND (3.9)	ND (0.43)	ND (0.85)	ND (0.78)	ND (0.78)	ND (1.6)	ND (0.43)	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)
o-Xylene	5	ND (1.1)	ND (0.86)	ND (2.4)	ND (1.2)	ND (3.0)	ND (0.22)	ND (0.43)	ND (0.59)	ND (0.59)	ND (1.2)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)
Xylene (total)	5	ND (1.1)	ND (0.86)	ND (2.4)	ND (1.2)	ND (3.0)	ND (0.22)	ND (0.43)	ND (0.59)	ND (0.59)	ND (1.2)	ND (0.22)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)
Total VOCs	NC	1177.9	1452.6	1477.3	986.1	1419	474	807.2	489.3	1087.8	728.7	443.2	333	193	218.5	514
Total BTEX	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
Results reported in micrograms per liter (ug/L)
Exceedances bolded and highlighted in gray
ND = Not detected above laboratory reporting limit
NC = No Criterion
J = Estimated Value
Class GA Value = Class GA Standards and Guidance Values (NYSDEC's June 1998 *Division of Water Technical and Operational Guidance Series*)

Figures

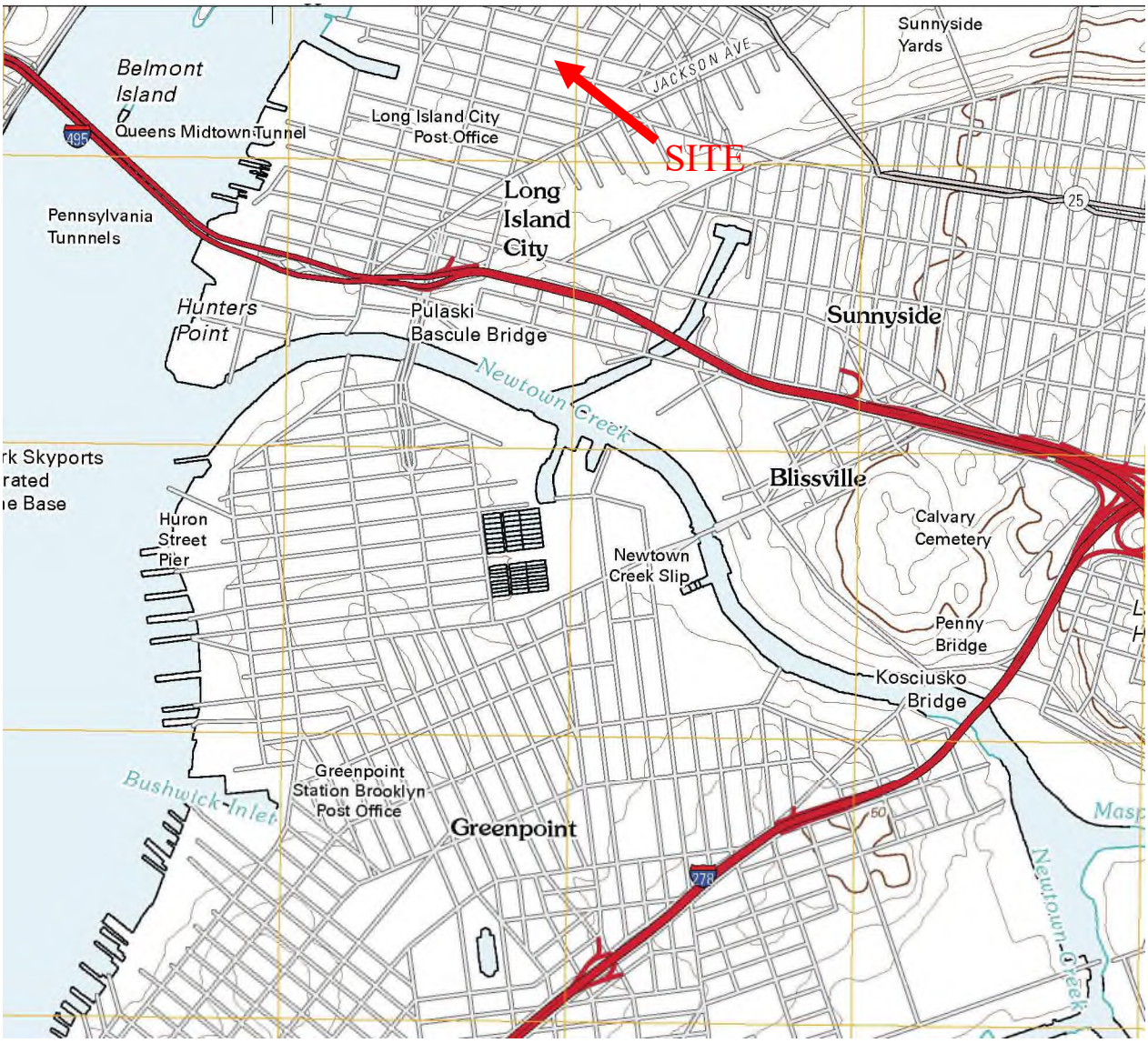

Figure 1: Site Location

Site: Information Technology High School
21-16 44th Road
Long Island City, New York

Client: Bell Realty

Environmental Management & Consulting
158 West 29th Street, New York, NY 10001

Compound	MW-1
cis-1,2-Dichloroethene	ND
Tetrachloroethene	**625**
Trichloroethene	4.6

44TH ROAD

Sewer Line

MW-1

MW-10

New Stairs

MW-2

Compound	BMRW-3
cis-1,2-Dichloroethene	**16.7**
Tetrachloroethene	**571**
Trichloroethene	**141**

Compound	RW-1
cis-1,2-Dichloroethene	**354**
Tetrachloroethene	**149**
Trichloroethene	**11**

FIRST FLOOR

BASEMENT

ELEVATOR
1ST FLOOR

BASEMENT
ELEVATOR

Compound	MW-6
cis-1,2-Dichloroethene	ND
Tetrachloroethene	**68.6**
Trichloroethene	2.3

Compound	MW-8
cis-1,2-Dichloroethene	ND
Tetrachloroethene	**64.9**
Trichloroethene	2.4

BMRW-3

RW-1

MW-6

MW-8

MW-9

BMRW-2

MW-7

TREATMENT SHED

FORMER DRUM STORAGE AREA

MW-5

21ST AVENUE

Compound	BMRW-2
cis-1,2-Dichloroethene	**23**
Tetrachloroethene	**1220**
Trichloroethene	**176**

Compound	MW-7
cis-1,2-Dichloroethene	ND
Tetrachloroethene	1.9
Trichloroethene	ND

Compound	MW-9
cis-1,2-Dichloroethene	0.62 J
Tetrachloroethene	**74.7**
Trichloroethene	3

BMRW-1

COURTYARD

Compound	BMRW-1
cis-1,2-Dichloroethene	1.3
Tetrachloroethene	**8.5**
Trichloroethene	2.8

MW-13

Compound	Class GA Standard
cis-1,2-Dichloroethene	5
Tetrachloroethene	5
Trichloroethene	5

44TH DRIVE

0 30 60

Scale (feet)

FILE: P:\10012 - Bell Realty\006 - Info Tech Highschool\Figures\GW Sampling\2019Q3\2 - Site Plan with GW Results v2.dwg DATE: 11/12/2019

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Environmental Management & Consulting

158 West 29th Street, 9th Fl.
New York, NY 10001

21-16 44th Road
Long Island City, NY

Figure 2

Site Plan and VOC Concentrations in Groundwater

September 2019

Project Number
10012-006

LEGEND

- MW-1 — Monitoring well
- RW-1 — Recovery well
- BRMW-1 — Bedrock monitoring well
- MW-2 — Monitoring well (gauging only)

Notes: Current sampling plan includes recovery and bedrock monitoring wells.

Appendix A

Monitoring Well Purge Logs

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WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: MW-1 | Well Volume: 0.76 gal | Initial Depth To Water 14.61 ft-btc

Date: 9/10/2019 | Total Gallons Purged: 2.03 gal | Depth to Product: - ft-btc

Time Pump On: 8:49 | Average Purge Rate: 233.05 mL/min | Total Depth: 19.27 ft-btc

Time of Sample Collection: 9:19 | Purge Method: Peristaltic | Water Column: 4.66 ft

Time Pump Off: 9:21 | PID Reading : 0.0 ppm | Well Diameter: 2 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Odor/Color
8:49	0				20.53	6.50	230	3.36	0.0	5.11	2.15	0.18	no odor / no color
8:54	5				19.65	6.90	215	3.37	0.8	4.05	2.16	0.18	no odor / no color
8:59	10				19.65	6.94	213	3.38	0.0	2.95	2.16	0.18	no odor / no color
9:04	15				19.61	6.90	216	3.39	3.5	2.95	2.17	0.18	no odor / no color
9:09	20				19.49	6.97	213	3.40	2.1	2.87	2.18	0.18	no odor / no color
9:14	25				19.48	6.99	213	3.41	0.0	3.06	2.18	0.18	no odor / no color
9:19	30				19.47	6.99	213	3.41	0.0	3.14	2.18	0.18	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius

s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752*D^2*wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well:	MW-6	Well Volume:	7.09 gal	Initial Depth To Water	14.93 ft-btc
Date:	9/10/2019	Total Gallons Purged:	2.50 gal	Depth to Product:	- ft-btc
Time Pump On:	11:15	Average Purge Rate:	354.95 mL/min	Total Depth:	25.78 ft-btc
Time of Sample Collection:	11:40	Purge Method:	Peristaltic	Water Column:	10.85 ft
Time Pump Off:	11:42	PID Reading :	0.4 ppm	Well Diameter:	4 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Odor/Color
11:15	0				20.23	7.15	168	2.09	0.0	4.36	1.34	0.11	no odor / no color
11:20	5				19.17	7.03	196	2.01	0.0	2.94	1.28	0.10	no odor / no color
11:25	10				18.95	6.98	210	1.98	0.0	2.92	1.27	0.10	no odor / no color
11:30	15				18.86	6.90	225	1.96	0.0	2.96	1.26	0.10	no odor / no color
11:35	20				18.80	7.00	223	1.96	0.0	3.04	1.25	0.10	no odor / no color
11:40	25				18.74	7.01	229	1.96	0.0	3.16	1.26	0.10	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius

s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752*D^2*wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: MW-7 | Well Volume: 4.26 gal | Initial Depth To Water 14.91 ft-btc

Date: 9/10/2019 | Total Gallons Purged: 2.50 gal | Depth to Product: - ft-btc

Time Pump On: 12:32 | Average Purge Rate: 295.74 mL/min | Total Depth: 21.44 ft-btc

Time of Sample Collection: 13:02 | Purge Method: Peristaltic | Water Column: 6.53 ft

Time Pump Off: 13:04 | PID Reading : 0.2 ppm | Well Diameter: 4 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Odor/Color
12:32	0				19.96	8.09	183	0.509	0.0	7.77	0.326	0.02	no odor / no color
12:37	5				19.86	8.37	208	0.307	0.0	5.93	0.200	0.01	no odor / no color
12:42	10				19.98	8.33	220	0.298	0.0	5.13	0.194	0.01	no odor / no color
12:47	15				19.90	8.39	226	0.293	0.0	5.10	0.190	0.01	no odor / no color
12:52	20				19.88	8.39	233	0.288	0.0	5.00	0.187	0.01	no odor / no color
12:57	25				19.85	8.41	235	0.287	0.0	4.98	0.187	0.01	no odor / no color
13:02	30				19.85	8.46	235	0.286	0.0	4.90	0.186	0.01	no odor / no color

Notes: **Allowable Fluctuations:** 3% | ±0.1 | ±10 mV | 3% | 10% if >5 NTU, 3 rounds if <5 | 10% if >0.5 mg/L, 3 rounds if <0.5

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius
s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter
mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752 * D^2 * wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: MW-8 | Well Volume: 5.54 gal | Initial Depth To Water 6.52 ft-btc

Date: 9/10/2019 | Total Gallons Purged: 2.03 gal | Depth to Product: - ft-btc

Time Pump On: 9:39 | Average Purge Rate: 219.55 mL/min | Total Depth: 15 ft-btc

Time of Sample Collection: 10:10 | Purge Method: Peristaltic | Water Column: 8.48 ft

Time Pump Off: 10:14 | PID Reading : 0.1 ppm | Well Diameter: 4 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Odor/Color
9:42	3				21.17	6.84	274	2.72	0.0	3.08	1.75	0.14	no odor / no color
9:47	8				21.04	6.84	275	2.92	0.0	2.20	1.87	0.15	no odor / no color
9:52	13				21.00	6.80	276	2.95	0.0	2.04	1.89	0.15	no odor / no color
9:57	18				20.99	6.80	278	2.96	0.0	1.75	1.89	0.15	no odor / no color
10:02	23				20.99	6.80	279	2.93	0.0	1.67	1.87	0.15	no odor / no color
10:07	28				20.99	6.80	280	2.90	0.0	1.67	1.85	0.15	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius

s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752 * D^2 * wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: MW-9 | Well Volume: 6.11 gal | Initial Depth To Water 6.51 ft-btc

Date: 9/10/2019 | Total Gallons Purged: 2.03 gal | Depth to Product: ft-btc

Time Pump On: 8:56 | Average Purge Rate: 241.85 mL/min | Total Depth: 15.86 ft-btc

Time of Sample Collection: 9:30 | Purge Method: Peristaltic | Water Column: 9.35 ft

Time Pump Off: 9:32 | PID Reading : 0.6 ppm | Well Diameter: 4 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Odor/Color
9:01	5				21.45	6.68	283	2.86	0.0	2.94	1.83	0.15	no odor / no color
9:06	10				21.26	6.75	285	2.95	0.0	2.12	1.89	0.15	no odor / no color
9:11	15				21.18	6.77	285	2.99	0.0	2.04	1.92	0.16	no odor / no color
9:16	20				21.13	6.76	283	3.03	0.0	2.00	1.94	0.16	no odor / no color
9:21	25				21.08	6.76	282	3.07	0.0	1.85	1.97	0.16	no odor / no color
9:26	30				21.06	6.75	281	3.11	0.0	1.80	1.99	0.16	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius

s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752 * D^2 * wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: Queens Plaza

Monitoring Well: BMRW-1 | Well Volume: 1.91 gal | Initial Depth To Water 14.27 ft-btc

Date: 9/10/2019 | Total Gallons Purged: 3.03 gal | Depth to Product: - ft-btc

Time Pump On: 9:34 | Average Purge Rate: 309.99 mL/min | Total Depth: 26 ft-btc

Time of Sample Collection: 10:09 | Purge Method: Peristaltic | Water Column: 11.73 ft

Time Pump Off: 10:11 | PID Reading : 0.0 ppm | Well Diameter: 2 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Odor/Color
9:34	0				20.26	7.31	201	0.434	5.1	1.30	0.270	0.02	no odor / no color
9:39	5				19.92	7.02	200	0.324	0.0	0.14	0.211	0.02	no odor / no color
9:44	10				19.55	6.78	206	1.48	0.0	0.00	0.971	0.08	no odor / no color
9:49	15				19.40	6.94	152	2.02	0.6	0.00	1.29	0.10	no odor / no color
9:54	20				19.23	6.82	107	2.17	0.0	0.00	1.39	0.11	no odor / no color
9:59	25				19.19	6.92	83	2.19	0.0	0.00	1.40	0.11	no odor / no color
10:04	30				19.17	6.87	78	2.20	0.0	0.00	1.41	0.11	no odor / no color
10:09	35				19.15	6.95	74	2.22	0.0	0.00	1.42	0.11	no odor / no color

Notes: **Allowable Fluctuations:** 3% | ±0.1 | ±10 mV | 3% | 10% if >5 NTU, 3 rounds if <5 | 10% if >0.5 mg/L, 3 rounds if <0.5

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius
s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter
mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752 * D^2 * wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

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WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: BMRW-2 | Well Volume: 1.31 gal | Initial Depth To Water 14.59 ft-btc

Date: 9/10/2019 | Total Gallons Purged: 1.53 gal | Depth to Product: - ft-btc

Time Pump On: 10:30 | Average Purge Rate: 214.51 mL/min | Total Depth: 22.63 ft-btc

Time of Sample Collection: 10:55 | Purge Method: Peristaltic | Water Column: 8.04 ft

Time Pump Off: 10:57 | PID Reading : 58.4 ppm | Well Diameter: 2 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Odor/Color
10:30	0				19.27	6.95	160	2.75	0.0	0.92	1.77	0.14	no odor / no color
10:35	5				19.00	7.10	149	2.76	0.0	0.00	1.77	0.14	no odor / no color
10:40	10				19.12	7.08	147	2.76	0.0	0.00	1.77	0.14	no odor / no color
10:45	15				19.06	7.07	146	2.77	0.0	0.00	1.77	0.14	no odor / no color
10:50	20				19.11	7.09	146	2.76	0.0	0.00	1.77	0.14	no odor / no color
10:55	25				19.00	7.10	146	2.76	0.0	0.00	1.77	0.14	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius

s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752 * D^2 * wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

Fleming Lee Shue

Environmental Management & Consulting
158 West 29th Street, 9Fl. , New York, New York 10001
http://www.flemingleeshue.com

WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: BMRW-3 | Well Volume: 2.29 gal | Initial Depth To Water 14.55 ft-btc

Date: 9/10/2019 | Total Gallons Purged: 2.53 gal | Depth to Product: - ft-btc

Time Pump On: 11:22 | Average Purge Rate: 239.43 mL/min | Total Depth: 28.58 ft-btc

Time of Sample Collection: 12:00 | Purge Method: Peristaltic | Water Column: 14.03 ft

Time Pump Off: 12:02 | PID Reading : 11.6 ppm | Well Diameter: 2 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Odor/Color
11:27	5				20.07	6.73	208	2.67	0.0	0.00	1.71	0.14	no odor / no color
11:32	10				20.52	6.72	208	2.65	0.0	0.00	1.70	0.14	no odor / no color
11:37	15				20.71	6.71	209	2.66	0.0	0.00	1.70	0.14	no odor / no color
11:42	20				18.81	6.71	223	2.66	0.0	0.00	1.70	0.14	no odor / no color
11:47	25				18.94	6.71	227	2.66	0.0	0.00	1.70	0.14	no odor / no color
11:52	30				18.90	6.71	226	2.66	0.0	0.00	1.70	0.14	no odor / no color
11:57	35				18.88	6.71	225	2.67	0.0	0.00	1.71	0.14	no odor / no color
Allowable Fluctuations:					3%	±0.1	±10 mV	3%	10% if >5 NTU 3 rounds if <5	10% if >0.5 mg/L 3 rounds if <0.5			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius

s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752 * D^2 * wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

Fleming Lee Shue

Environmental Management & Consulting
158 West 29th Street, 9Fl. , New York, New York 10001
http://www.flemingleeshue.com

WELL PURGE LOG

Project: **Info Tech High School**

Monitoring Well: RW-1 | Well Volume: - gal | Initial Depth To Water 13.92 ft-btc

Date: 9/10/2019 | Total Gallons Purged: 3.03 gal | Depth to Product: - ft-btc

Time Pump On: 10:26 | Average Purge Rate: 219.75 mL/min | Total Depth: 21.89 ft-btc

Time of Sample Collection: 11:05 | Purge Method: Peristaltic | Water Column: 7.97 ft

Time Pump Off: 11:07 | PID Reading : 0.0 ppm | Well Diameter: 8 inch

TIME	ELAPSED TIME (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	T (°C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Odor/Color
10:31	0				20.39	7.38	98	0.220	2.8	0.38	0.143	0.01	no odor / no color
10:36	5				20.26	7.34	114	0.202	0.9	0.00	0.131	0.01	no odor / no color
10:41	15				20.24	7.34	121	0.197	0.0	0.00	0.128	0.01	no odor / no color
10:46	20				20.16	7.35	117	0.198	0.0	0.00	0.129	0.01	no odor / no color
10:01	25				20.15	7.35	104	0.198	0.0	0.00	0.129	0.01	no odor / no color
10:56	30				20.15	7.36	97	0.199	0.0	0.00	0.129	0.01	no odor / no color
11:01	35				20.16	7.36	94	0.200	0.0	0.00	0.130	0.01	no odor / no color

Notes: **Allowable Fluctuations:** 3% | ±0.1 | ±10 mV | 3% | 10% if >5 NTU, 3 rounds if <5 | 10% if >0.5 mg/L, 3 rounds if <0.5

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
°C = degrees Celcius
s.u. = standard units
ORP = oxidation reduction potential
mV = millivolts
Cond = conductivity
mS/cm = milliSiemens per centimeter
NTUs = Nephelemetric Turbidity Units
mg/L = milligrams per liter
mL/min = milliliters per minute
TDS = total dissolved solids
g/L = grams per Liter
Sal = salinity
wc = water column

Well Volume (gal) = $5.8752 * D^2 * wc$, where D = well diameter (feet)

Well Dia	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Well Volume Purged (gal) = Average Purge Rate (mL/min) * Time Elapsed * .000264

Appendix B

Laboratory Analytical Data Report

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Fleming-Lee Shue, Inc.

Info Tech High School, 21-16 44th Road, Long Island City, NY 10012

SGS Job Number: JC94740

Sampling Date: 09/10/19

Report to:

Fleming-Lee Shue, Inc.

jordan@flemingleeshue.com

ATTN: Jordan Arey

Total number of pages in report: 33

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

Sections: 1 2 3 4 5

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JC94740

Info Tech High School, 21-16 44th Road, Long Island City, NY
Project No: 10012

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC94740-1	09/10/19	09:19	BH	09/10/19	AQ	Ground Water	MW-1
JC94740-2	09/10/19	09:30	BH	09/10/19	AQ	Ground Water	MW-9
JC94740-3	09/10/19	10:09	BH	09/10/19	AQ	Ground Water	BMRW-1
JC94740-4	09/10/19	10:10	BH	09/10/19	AQ	Ground Water	MW-8
JC94740-5	09/10/19	10:55	BH	09/10/19	AQ	Ground Water	BMRW-2
JC94740-6	09/10/19	11:05	BH	09/10/19	AQ	Ground Water	RW-1
JC94740-7	09/10/19	11:40	BH	09/10/19	AQ	Ground Water	MW-6
JC94740-8	09/10/19	12:00	BH	09/10/19	AQ	Ground Water	BMRW-3
JC94740-9	09/10/19	13:02	BH	09/10/19	AQ	Ground Water	MW-7
JC94740-10	09/10/19	12:15	BH	09/10/19	AQ	Field Blank Water	FIELD BLANK
JC94740-11	09/10/19	13:02	BH	09/10/19	AQ	Trip Blank Water	TRIP BLANK

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Fleming-Lee Shue, Inc.	**Job No**	JC94740
Site:	Info Tech High School, 21-16 44th Road, Long Island City, NY	**Report Date**	9/24/2019 3:03:33 PM

On 09/10/2019, 9 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 3.5 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JC94740 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260C

Matrix: AQ **Batch ID:** V2V2532

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC94740-7MS, JC94740-9DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** V2V2534

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC94835-4MS, JC94835-3DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for Trichloroethene are outside control limits for sample JC94835-3DUP. RPD acceptable due to low DUP and sample concentrations.
- JC94740-8: Diluted due to high concentration of target compound.
- JC94740-8 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JC94740-8 for Bromomethane: Associated CCV outside of control limits low.
- JC94740-11 for Bromomethane: Associated CCV outside of control limits low.
- JC94740-6 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JC94740-11 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JC94740-10 for Bromomethane: Associated CCV outside of control limits low.
- JC94740-10 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JC94740-6 for Bromomethane: Associated CCV outside of control limits low.

Matrix: AQ **Batch ID:** V4D4257

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC94740-3DUP, JC94740-4MS were used as the QC samples indicated.
- V4D4257-MB for 1,1,2,2-Tetrachloroethane: MDL from current instrument.
- V4D4257-MB for Dibromochloromethane: MDL from current instrument.

Matrix: AQ **Batch ID:** V4D4260

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC94740-5MS, JC94740-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for Bromomethane are outside control limits for sample JC94740-5MSD. Outside control limits due to matrix interference.

MS Volatiles By Method SW846 8260C

Matrix: AQ **Batch ID:** V4D4260

- JC94740-5: Diluted due to high concentration of target compound.
- JC94740-1: Diluted due to high concentration of target compound.
- V4D4260-MB for 1,1,2,2-Tetrachloroethane: MDL from current instrument.
- V4D4260-MB for Dibromochloromethane: MDL from current instrument.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JC94740
Account: Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY
Collected: 09/10/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC94740-1	**MW-1**					
Tetrachloroethene		625	20	18	ug/l	SW846 8260C
Trichloroethene [a]		4.6	2.0	1.1	ug/l	SW846 8260C
JC94740-2	**MW-9**					
cis-1,2-Dichloroethene		0.62 J	1.0	0.51	ug/l	SW846 8260C
Tetrachloroethene		74.7	1.0	0.90	ug/l	SW846 8260C
Trichloroethene		3.0	1.0	0.53	ug/l	SW846 8260C
JC94740-3	**BMRW-1**					
Chlorobenzene		1.8	1.0	0.56	ug/l	SW846 8260C
cis-1,2-Dichloroethene		1.3	1.0	0.51	ug/l	SW846 8260C
Tetrachloroethene		8.5	1.0	0.90	ug/l	SW846 8260C
Trichloroethene		2.8	1.0	0.53	ug/l	SW846 8260C
JC94740-4	**MW-8**					
Tetrachloroethene		64.9	1.0	0.90	ug/l	SW846 8260C
Trichloroethene		2.4	1.0	0.53	ug/l	SW846 8260C
JC94740-5	**BMRW-2**					
cis-1,2-Dichloroethene [a]		23.0	5.0	2.5	ug/l	SW846 8260C
Tetrachloroethene		1220	50	45	ug/l	SW846 8260C
Trichloroethene [a]		176	5.0	2.6	ug/l	SW846 8260C
JC94740-6	**RW-1**					
1,1-Dichloroethene		0.68 J	1.0	0.59	ug/l	SW846 8260C
cis-1,2-Dichloroethene		354	10	5.1	ug/l	SW846 8260C
Tetrachloroethene		149	1.0	0.90	ug/l	SW846 8260C
Trichloroethene		11.0	1.0	0.53	ug/l	SW846 8260C
JC94740-7	**MW-6**					
Tetrachloroethene		68.6	1.0	0.90	ug/l	SW846 8260C
Trichloroethene		2.3	1.0	0.53	ug/l	SW846 8260C
JC94740-8	**BMRW-3**					
cis-1,2-Dichloroethene [a]		16.7	2.0	1.0	ug/l	SW846 8260C
trans-1,2-Dichloroethene [a]		1.5 J	2.0	1.1	ug/l	SW846 8260C

Summary of Hits

Job Number: JC94740
Account: Fleming-Lee Shue, Inc.
Project: Info Tech High School, 21-16 44th Road, Long Island City, NY
Collected: 09/10/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Tetrachloroethene		571	20	18	ug/l	SW846 8260C
Trichloroethene [a]		141	2.0	1.1	ug/l	SW846 8260C
JC94740-9	**MW-7**					
Tetrachloroethene		1.9	1.0	0.90	ug/l	SW846 8260C
JC94740-10	**FIELD BLANK**					
No hits reported in this sample.						
JC94740-11	**TRIP BLANK**					
No hits reported in this sample.						

(a) Diluted due to high concentration of target compound.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC94740-1	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4D96322.D	2	09/19/19 17:59	JP	n/a	n/a	V4D4260
Run #2	4D96323.D	20	09/19/19 18:27	JP	n/a	n/a	V4D4260

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	12	ug/l	
71-43-2	Benzene	ND	1.0	0.85	ug/l	
74-97-5	Bromochloromethane	ND	2.0	0.96	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.2	ug/l	
75-25-2	Bromoform	ND	2.0	1.3	ug/l	
74-83-9	Bromomethane	ND	4.0	3.3	ug/l	
78-93-3	2-Butanone (MEK)	ND	20	14	ug/l	
75-15-0	Carbon disulfide	ND	4.0	1.9	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.1	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.1	ug/l	
75-00-3	Chloroethane	ND	2.0	1.5	ug/l	
67-66-3	Chloroform	ND	2.0	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	1.5	ug/l	
110-82-7	Cyclohexane	ND	10	1.6	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	2.4	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.1	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	1.1	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	4.0	2.7	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.1	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.2	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	1.2	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	1.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.94	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.86	ug/l	
123-91-1	1,4-Dioxane	ND	250	140	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.2	ug/l	
76-13-1	Freon 113	ND	10	3.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC94740-1	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	4.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	1.3	ug/l	
79-20-9	Methyl Acetate	ND	10	1.6	ug/l	
108-87-2	Methylcyclohexane	ND	10	1.2	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	10	3.7	ug/l	
75-09-2	Methylene chloride	ND	4.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	1.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.3	ug/l	
127-18-4	Tetrachloroethene	625 [b]	20	18	ug/l	
108-88-3	Toluene	ND	2.0	1.1	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.1	ug/l	
79-01-6	Trichloroethene	4.6	2.0	1.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	4.0	1.7	ug/l	
75-01-4	Vinyl chloride	ND	2.0	1.6	ug/l	
	m,p-Xylene	ND	2.0	1.6	ug/l	
95-47-6	o-Xylene	ND	2.0	1.2	ug/l	
1330-20-7	Xylene (total)	ND	2.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	100%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	99%	81-124%
2037-26-5	Toluene-D8	95%	92%	80-120%
460-00-4	4-Bromofluorobenzene	91%	92%	80-120%

(a) Diluted due to high concentration of target compound.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JC94740-2	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D96245.D	1	09/17/19 10:07	EH	n/a	n/a	V4D4257
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.62	1.0	0.51	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JC94740-2	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	74.7	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	3.0	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BMRW-1		
Lab Sample ID:	JC94740-3	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D96246.D	1	09/17/19 10:36	EH	n/a	n/a	V4D4257
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	1.8	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.3	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BMRW-1		
Lab Sample ID:	JC94740-3	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	8.5	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	2.8	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JC94740-4	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D96247.D	1	09/17/19 11:04	EH	n/a	n/a	V4D4257
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JC94740-4	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	64.9	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	2.4	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BMRW-2		
Lab Sample ID:	JC94740-5	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4D96320.D	5	09/19/19 17:02	JP	n/a	n/a	V4D4260
Run #2	4D96319.D	50	09/19/19 16:34	JP	n/a	n/a	V4D4260

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	30	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
74-97-5	Bromochloromethane	ND	5.0	2.4	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.9	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	34	ug/l	
75-15-0	Carbon disulfide	ND	10	4.8	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	6.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	6.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	23.0	5.0	2.5	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
123-91-1	1,4-Dioxane	ND	630	350	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	9.7	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BMRW-2		
Lab Sample ID:	JC94740-5	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	25	10	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	9.3	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	3.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	1220 [b]	50	45	ug/l	
108-88-3	Toluene	ND	5.0	2.7	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	176	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	4.2	ug/l	
75-01-4	Vinyl chloride	ND	5.0	3.9	ug/l	
	m,p-Xylene	ND	5.0	3.9	ug/l	
95-47-6	o-Xylene	ND	5.0	3.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	100%	80-120%
17060-07-0	1,2-Dichloroethane-D4	98%	98%	81-124%
2037-26-5	Toluene-D8	94%	92%	80-120%
460-00-4	4-Bromofluorobenzene	90%	91%	80-120%

(a) Diluted due to high concentration of target compound.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-1		
Lab Sample ID:	JC94740-6	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V61663.D	1	09/20/19 10:36	JP	n/a	n/a	V2V2534
Run #2	2V61664.D	10	09/20/19 11:01	JP	n/a	n/a	V2V2534

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	0.68	1.0	0.59	ug/l	J
156-59-2	cis-1,2-Dichloroethene	354 [b]	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113 [c]	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-1		
Lab Sample ID:	JC94740-6	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	149	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	11.0	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	99%	80-120%
17060-07-0	1,2-Dichloroethane-D4	94%	97%	81-124%
2037-26-5	Toluene-D8	101%	101%	80-120%
460-00-4	4-Bromofluorobenzene	100%	97%	80-120%

(a) Associated CCV outside of control limits low.
(b) Result is from Run# 2
(c) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JC94740-7	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V61615.D	1	09/19/19 12:48	JP	n/a	n/a	V2V2532
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JC94740-7	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	68.6	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	2.3	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		81-124%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BMRW-3		
Lab Sample ID:	JC94740-8	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2V61668.D	2	09/20/19 12:44	JP	n/a	n/a	V2V2534
Run #2	2V61667.D	20	09/20/19 12:18	JP	n/a	n/a	V2V2534

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	12	ug/l	
71-43-2	Benzene	ND	1.0	0.85	ug/l	
74-97-5	Bromochloromethane	ND	2.0	0.96	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.2	ug/l	
75-25-2	Bromoform	ND	2.0	1.3	ug/l	
74-83-9	Bromomethane [b]	ND	4.0	3.3	ug/l	
78-93-3	2-Butanone (MEK)	ND	20	14	ug/l	
75-15-0	Carbon disulfide	ND	4.0	1.9	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.1	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.1	ug/l	
75-00-3	Chloroethane	ND	2.0	1.5	ug/l	
67-66-3	Chloroform	ND	2.0	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	1.5	ug/l	
110-82-7	Cyclohexane	ND	10	1.6	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	2.4	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.1	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	1.1	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	4.0	2.7	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.1	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.2	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	1.2	ug/l	
156-59-2	cis-1,2-Dichloroethene	16.7	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.5	2.0	1.1	ug/l	J
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.94	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.86	ug/l	
123-91-1	1,4-Dioxane	ND	250	140	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.2	ug/l	
76-13-1	Freon 113 [c]	ND	10	3.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BMRW-3		
Lab Sample ID:	JC94740-8	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	4.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	1.3	ug/l	
79-20-9	Methyl Acetate	ND	10	1.6	ug/l	
108-87-2	Methylcyclohexane	ND	10	1.2	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	10	3.7	ug/l	
75-09-2	Methylene chloride	ND	4.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	1.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.3	ug/l	
127-18-4	Tetrachloroethene	571 [d]	20	18	ug/l	
108-88-3	Toluene	ND	2.0	1.1	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.1	ug/l	
79-01-6	Trichloroethene	141	2.0	1.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	4.0	1.7	ug/l	
75-01-4	Vinyl chloride	ND	2.0	1.6	ug/l	
	m,p-Xylene	ND	2.0	1.6	ug/l	
95-47-6	o-Xylene	ND	2.0	1.2	ug/l	
1330-20-7	Xylene (total)	ND	2.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	100%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	99%	81-124%
2037-26-5	Toluene-D8	99%	99%	80-120%
460-00-4	4-Bromofluorobenzene	102%	101%	80-120%

(a) Diluted due to high concentration of target compound.
(b) Associated CCV outside of control limits low.
(c) Associated CCV outside of control limits high, sample was ND.
(d) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JC94740-9	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V61616.D	1	09/19/19 13:14	JP	n/a	n/a	V2V2532
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JC94740-9	**Date Sampled:**	09/10/19
Matrix:	AQ - Ground Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	1.9	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JC94740-10	**Date Sampled:**	09/10/19
Matrix:	AQ - Field Blank Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V61679.D	1	09/20/19 17:29	JP	n/a	n/a	V2V2534
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113 [b]	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JC94740-10	**Date Sampled:**	09/10/19
Matrix:	AQ - Field Blank Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JC94740-11	**Date Sampled:**	09/10/19
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V61680.D	1	09/20/19 17:55	JP	n/a	n/a	V2V2534
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	69	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113 [b]	ND	5.0	1.9	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JC94740-11	**Date Sampled:**	09/10/19
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/10/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Info Tech High School, 21-16 44th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		81-124%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

GW WAS WTB

CHAIN OF CUSTODY

Page __ of __

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FEDEX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JC94740

Client / Reporting Information

Company Name: Fleming Lee Shue, Inc
Street Address: 158 W 29th Street
City: New York | State: NY | Zip: 10001
Project Contact: M. Hutson | E-mail: mark@flemingleeshue.com
Phone #: 212-675-3225
Sampler(s) Name(s): J. Arey & B Hess | Phone #
Project Manager: M. Hutson

Project Information

Project Name: Info Tech High School
Street: 21-16 44th Rd.
City: LIC | State: NY | Zip: 10012
Project #
Client Purchase Order #

Billing Information (if different from Report to)

Company Name
Street Address
City | State | Zip
Attention:

Requested Analysis

V8260 TCL II

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260 TCL II	LAB USE ONLY
1	MW-1		9/10/19	9:19	BH	G	GW	3	3								X	V919
2	MW-9			9:30	JA	G	GW	3	3								X	
3	BMRW-1			10:09	BH	G	GW	3	3								X	
4	MW-8			10:10	JA	G	GW	3	3								X	
5	BMRW-2			10:55	BH	G	GW	3	3								X	
6	RW-1			11:05	JA	G	GW	3	3								X	
7	MW-6			11:40	BH	G	GW	3	3								X	
8	BMRW-3			12:00	JA	G	GW	3	3								X	
9	MW-7			13:02	BH	G	GW	3	3								X	
10	Field Blank			12:15	JA	-	FB	2	2								X	
11	Trip Blank		9/9/19	6:00	-	-	TB	2	2								X	

Comments / Special Instructions

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days
- [ ] 2 Business Days
- [ ] 1 Business Day
- [ ] Other

All data available via Labiink

Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Initial Assessment 3.6
Label Verification

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Date / Time:
1	BSH Hess	9/10/19 13:20	1 John	9/10/19 1320
2	John	9/10/19 1320	2	1700
3			3	
4			4	
5			5	

Custody Seal # | Intact | Not Intact | Preserved where applicable | Absent | Therm. ID | On Ice | Cooler Temp. °C

CIP 3.6
FK-7

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

SGS Sample Receipt Summary

Job Number: JC94740 **Client:** FLEMING-LEE SHUE, INC. **Project:** INFO TECH HIGH SCHOOL, 21-16 44TH ROAD,

Date / Time Received: 9/10/2019 5:00:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (3.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 229517 pH 12+: 208717 Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JC94740: Chain of Custody
Page 2 of 2