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August 5, 2020 ***Via Email***

Mr. Joshua Haugh
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
1130 North Westcott Road
Schenectady, NY 12306
joshua.haugh@dec.ny.gov

RE: Post Remedial Action Groundwater Evaluation
Hamilton Hill II – Target Area 1 Site
City of Schenectady, Schenectady County
BCP Site ID No.: C447052
C.T. Male Project No. 16.6334

Dear Mr. Haugh:

This letter report presents the findings of a post remedial action groundwater evaluation conducted at the Hamilton Hill – Target Area 1 Brownfield Cleanup Program (BCP) Site (BCP Site No. C447052) located at 830 & 834 Albany Street in the City of Schenectady, Schenectady County, New York (see Site Location Map in Attachment A). The groundwater evaluation was conducted as a component of the Site's remedy contained in the November 2019 Decision Document for the Site.

The remedial action at the Site involved the remediation of source areas of contamination including impacted fill/soil and petroleum bulk storage tanks. The impacted fill/soil was remediated to Unrestricted Use Soil Cleanup Objectives (SCOs) via excavation and off-site disposal as documented by endpoint soil sampling analyses. The excavations were backfilled with imported fill that was tested to meet Unrestricted Use SCOs criteria. Two (2) aboveground and two (2) underground petroleum bulk storage tanks were closed by removal and disposed off-site.

The post remedial action groundwater evaluation involved the collection of groundwater samples from six (6) strategically placed monitoring wells installed after completion of the above referenced remedial actions. The means and methods for the groundwater evaluation were presented in the Department approved Post Remedial Action Groundwater Sampling Plan, dated April 27, 2020. The Sampling Plan and Department approval letter are presented as Exhibit 1.

Methods

The newly installed monitoring wells are depicted as RAMW1 to RAMW6 (highlighted in yellow) on Figures 2 and 3 in Attachment A. Figure 2 depicts the monitoring well locations in relation to sampling locations completed as part of the Remedial Investigation (RI) and previous Phase II Environmental Site Assessments (ESAs) of the Site. Figure 3 depicts the monitoring well locations in relation to buildings currently being developed on the Site.

On June 25, 2020, Precision Environmental Services, Inc. (PES) advanced six (6) soil borings across the Site to facilitate the installation of the monitoring wells. The borings were completed via direct-push drilling methods employing a track mounted Geoprobe unit.

At each boring location, a two-inch diameter macro-core sampler was advanced at continuous four (4) foot depth intervals to the termination depths of the borings. The recovered soil samples were visually classified by a C.T. Male field technician and recorded on individual Direct-Push Exploration Logs, which are presented in Attachment B.

Soil samples were collected from the soil borings at continuous intervals by a C.T. Male field geologist for field screening for organic vapors with a photoionization detector (PID) meter and for visual/olfactory evidence of contamination. The Organic Vapor Headspace Analysis Logs are presented in Attachment C.

Each of the borings were converted to groundwater monitoring wells for the purpose of collecting groundwater samples for laboratory analysis. The monitoring wells were constructed of one (1)-inch diameter PVC slotted screen and riser pipe. The monitoring wells were protected at the ground surface with curb box enclosures set in concrete pads. Monitoring Well Construction Logs are presented in Attachment D.

To prevent the potential for cross contamination between the test boring locations, drilling tools and sampling equipment that came into contact with the Site soils and groundwater were decontaminated prior to the start of the drilling activities and between boring locations utilizing a detergent/water wash and tap water rinse. Soil and groundwater samples were handled with a new pair of gloves to deter cross contamination of the soil and groundwater samples collected for screening and/or laboratory analysis.

Drill cuttings of soil located beneath the clean fill that was imported onto the Site as part of the remedial action, and groundwater development/purge water, were transferred into designated 55-gallon drums (2 total) with covers. The drum contents will be profiled and disposed of off-site at a treatment, storage and/or disposal facility (TSDF) at a later date. The methods for profiling/disposal of the drum contents will be presented to the Department Project Manager for approval.

The monitoring wells were developed on June 29, 2020 by a C.T. Male field engineer. The wells were surged, and approximately five (5) well volumes were evacuated from each monitoring well. Temperature, pH, specific conductivity and turbidity field parameters were recorded for each well volume evacuated from the monitoring wells.

Groundwater samples were collected from the monitoring wells on June 30, 2020. Prior to sampling, the water levels were recorded in each well by measuring the static water levels from the top of the PVC casing utilizing a water level meter. The groundwater samples were collected employing low flow purging/sampling methods utilizing a peristaltic pump with new tubing dedicated to each well. The groundwater samples were transferred into new laboratory supplied sampling containers and delivered to Alpha Analytical, Inc.'s (Alpha) Albany, New York service center. Temperature, pH, specific conductivity and turbidity field parameters had stabilized prior to collection of the groundwater samples. The groundwater samples were submitted to Alpha for laboratory analysis for volatile organic compounds (VOCs) plus 10 tentatively identified compounds (TICs) by EPA Method 8260 and semi volatile organic compounds (SVOCs) plus 20 TICs by EPA Method 8270.

Findings

The soil borings were advanced to depths ranging from 18 to 20 feet below the ground surface (bgs). Approved fill imported onto the Site to backfill the remedial excavations was observed in all of the borings from the ground surface to depths ranging from six (6) to eight (8) feet bgs. The fill was composed primarily of fine to coarse sands with occurrences of silt and gravel. Underlying the fill was native soil which generally consisted of sands with varying percentages of silt and gravel grading into silt and clay with varying percentages of sand and gravel. The soils became wet at depths that ranged from 11 feet bgs at RAMW4 to 15 feet bgs at RAMW6. See Direct Push Logs in Attachment B.

As presented on the Organic Vapor Headspace Analysis Logs in Attachment C, the PID readings for the soil samples collected from the borings were less than one (1) part per million (ppm) above background with the exception of a saturated native soil sample collected from the 12 to 14-foot sampling depth interval at RAMW3, which is located outside of the eastern boundary of the 830 Albany Street parcel defined under the Brownfield Cleanup Program (BCP). Soils collected at this depth interval were saturated, exhibited a PID reading of 69.7 ppm above background, and exhibited black staining and a petroleum-type odor. In consultation with the Department's Project Manager for this site within a Brownfield Program, the NYSDEC Spills Hotline was contacted and spill #2002279 was assigned to the Site relative to the subjectively impacted soil.

Groundwater conditions were assessed during collection of groundwater samples from monitoring wells RAMW1 to RAMW6 on June 30, 2020. The following table presents static groundwater levels and the field parameters (temperature, pH, specific conductivity, turbidity, olfactory observations) recorded at each monitoring well during the groundwater sampling event.

Monitoring Well	Water Level	Temp.	pH	Specific Conductivity	Turbidity	Olfactory Observation
RAMW1	13.64	14.7	8.02	765 µS	> 50	No Odor/No Sheen
RAMW2	12.90	16.2	7.65	676 µS	> 50	No Odor/No Sheen
RAMW3	11.54	15.8	7.53	1,811 µS	6.67	Very Slight Petroleum-Type Odor/No Sheen
RAMW4	10.55	15.6	7.68	1,792 µS	3.88	No Odor/No Sheen
RAMW5	11.96	14.6	7.51	2,420 µS	4.61	No Odor/No Sheen
RAMW6	12.83	14.5	7.57	1,904 µS	4.31	No Odor/No Sheen

Water Level measured in feet below the top of the monitoring well PVC riser casing.
Temperature recorded in degrees Celsius (°C).
Specific Conductivity measured in microsiemens (µS).
Turbidity recorded in nephelometric turbidity units (NTU).

Static groundwater levels in the six (6) monitoring wells on the date of sampling ranged from approximately 11.96 feet bgs at RAMW5 to 13.64 feet bgs at RAMW1. The horizontal location and vertical elevation of each monitoring well was surveyed by a C.T. Male survey crew on July 24, 2020. Based on the measured depth to groundwater and the monitoring well elevations, groundwater contours were developed. As depicted on Figure 2 in Attachment A, the localized groundwater flow direction is from southwest to northeast, which is consistent with the groundwater flow observed during the RI.

The groundwater samples were analyzed for VOCs plus 10 TICS and SVOCs plus 20 TICs. The analytical results summary table is presented in Appendix E. The laboratory

report is presented in Appendix F. The laboratory data was independently validated by Environmental Data Services, Inc. (EDS) of Virginia Beach, Virginia. The Data Usability Summary Report (DUSR) is presented in Appendix G. The analytical results disclosed the following.

- Petroleum related compounds and TICs were not detected in groundwater sampled from monitoring well RAMW3. Saturated soil at RAMW3 had exhibited elevated PID readings, staining and petroleum-type odors during advancement of the soil boring and had exhibited a slight petroleum-type odor during groundwater sample collection. RAMW3 is outside of the eastern boundary of the 830 Albany Street parcel defined under the BCP.

- Tetrachloroethene was the only compound detected above its New York State (NYS) Ambient Water Quality Standard (AWQS). Tetrachloroethene was detected slightly above its NYS AWQS of 5 parts per billion (ppb) in three (3) monitoring wells within the 830 Albany Street parcel only (not 834 Albany Street). These wells included RAMW1 (7.3 ppb), RAMW3 (6.8 ppb) and RAMW4 (8.7 ppb) only. Tetrachloroethene was not detected above its NYS AWQS in the two (2) monitoring wells (RAMW5, RAMW6) within the 834 Albany Street parcel.

- Chloroform was recently detected at a concentration range of 1.7 ppm to 2.8 ppm in two (2) of the six (6) monitoring wells (RAMW2, RAMW3), which is below its NYS AWQS of 7 ppb. These wells are each located within the 830 Albany Street parcel. Chloroform, which was detected slightly above its NYS AWQS in groundwater samples collected during the past RI was not detected above NYS AWQS in the post remedial action groundwater samples. Chloroform was detected at a concentration range of 8 ppm to 10 ppm in seven (7) monitoring wells (MW1, MW2, MW5, RIGP1, RIGP2, RIMW2, RIMW4) sampled during the past RI. The wells were each located within the 830 Albany Street parcel.

- SVOCs were not detected above the laboratory's method detection limits in any of the post remedial action groundwater samples. SVOCS were detected above NYS AWQS at varying frequencies in past RI sampled monitoring well MW2 (7 SVOCS) bordering the eastern boundary of the 830 Albany Street parcel, and past RI sampled monitoring wells 834-MW2 (1 SVOC), RIMW5 (3 SVOCs) and RIGP5 (5 SVOCs) within the 834 Albany Street parcel.

Conclusions and Recommendations

The remedial action was successful at eliminating known and potential source areas of contamination from the Site as demonstrated by the remedial excavation endpoint sampling results and observations. These sources included impacted fill/soil and petroleum bulk storage tanks. Fill imported onto the Site after remediation of the source areas met criteria for unrestricted use of the Site.

Petroleum-type compounds were not detected in groundwater sampled from monitoring well RAMW3, which was the location that exhibited subjective impacts (elevated PID readings, staining, petroleum-type odor) in a single isolated sample of saturated soil collected during advancement of the soil boring for installation of the monitoring well. Based on these facts, and that RAMW3 is located outside of the BCP Site boundary, it is recommended that associated spill #2002279 be closed by the Department requiring no further action.

The tetrachloroethene detections above NYS AWQS are consistent in persistence with tetrachloroethene detections from nearby monitoring wells sampled as part of the RI (see Figure 2 for comparisons). For RAMW1 (tetrachloroethene = 7.3 ppb), tetrachloroethene was detected at a concentration of 6.1 ppb in nearby RI monitoring well RIMW2. For RAMW3 (tetrachloroethene = 6.8 ppb), tetrachloroethene was detected at a concentration range of 6.9 to 8.6 ppb in nearby RI monitoring wells RIGP2 (6.9 ppb), RIMW3 (7.2 ppb) and RIGP3 (8.6 ppb). For RAMW4 (tetrachloroethene = 8.7 ppb), tetrachloroethene was not detected above its NYS AWQS at RI monitoring well MW2.

Chloroform, which was detected slightly above its NYS AWQS of 7 ppb in groundwater samples collected from seven (7) RI monitoring wells was recently detected below its NYS AWQS in groundwater samples collected from two (2) of the six (6) post remedial action monitoring wells within the 830 Albany Street parcel.

The post remedial action groundwater sampling analytical results were also compared to analytical results of groundwater samples collected from the Site during Phase II ESA investigations conducted in 2016 and 2018 that exceeded NYS AWQS (see Figure 4 in Attachment A for analytes that were detected above NYS AWQS). As depicted on Figure 4, detections of cis-1,2-dichloroethene above NYS AWQS in Phase II ESA monitoring wells CTM-MW-02 and CTM-MW-03, and acetone and toluene above NYS AWQS in Phase II ESA monitoring wells CTM-MW-01, CTM-MW-02, CTM-MW-03 and CTM-MW-05 were non-detect in groundwater samples collected from all of the post remedial action

monitoring wells. The aforementioned Phase II ESA monitoring wells were each located within the 830 Albany Street parcel. Detections of tetrachloroethene above NYS AWQS in the Phase II ESA monitoring wells ranged in concentration from 6.2 ppb to 14 ppb and were confined to Phase II ESA monitoring wells CTM-MW-01, CTM-MW-02, CTM-MW-04 and CTM-MW-05 within the 830 Albany Street parcel. Detections of tetrachloroethene above NYS AWQS in the nearby post remedial action monitoring wells ranged in concentration from 6.8 ppb to 8.7 ppb.

The Site was successfully remediated to unrestricted use and potential/known source areas of contamination have been removed. As tetrachloroethene was detected slightly above its NYS AWQS and is consistent with detections of tetrachloroethene in past RI and 2016/2018 Phase II ESA groundwater samples, and chloroform and SVOCs were detected below their NYS AWQS, a bulk reduction of chloroform and SVOCs in groundwater has been attained by the remedial action. Concentrations of tetrachloroethene have also attained asymptotic conditions, and that potential/known source areas that could contribute to future groundwater contamination have been eliminated.

Based on the remedial actions completed, and analytical data developed prior to and as a function of the BCP, the following conclusions and recommendations are made.

- The groundwater evaluation presented in this report satisfies the groundwater evaluation criteria of the Decision Document since groundwater is not used as a potable water supply and the remedial action removed all on-site sources that would contribute to groundwater contamination. Further groundwater monitoring is not required as Track 1 Unrestricted Use criteria has been substantially attained for the groundwater component of the remedy.

- The concentrations of compounds remaining in groundwater are below or approaching their regulatory standards at asymptotic levels. This, coupled with the depth to groundwater being greater than 11 feet below the finished floor of the new building, and the installation of a new vapor barrier and new radon reduction system as part of building construction, potential vapor intrusion issues for future occupants of the buildings is considered negligible.

Please do not hesitate to contact me should you require further information.

Respectfully submitted,
C.T. MALE ASSOCIATES

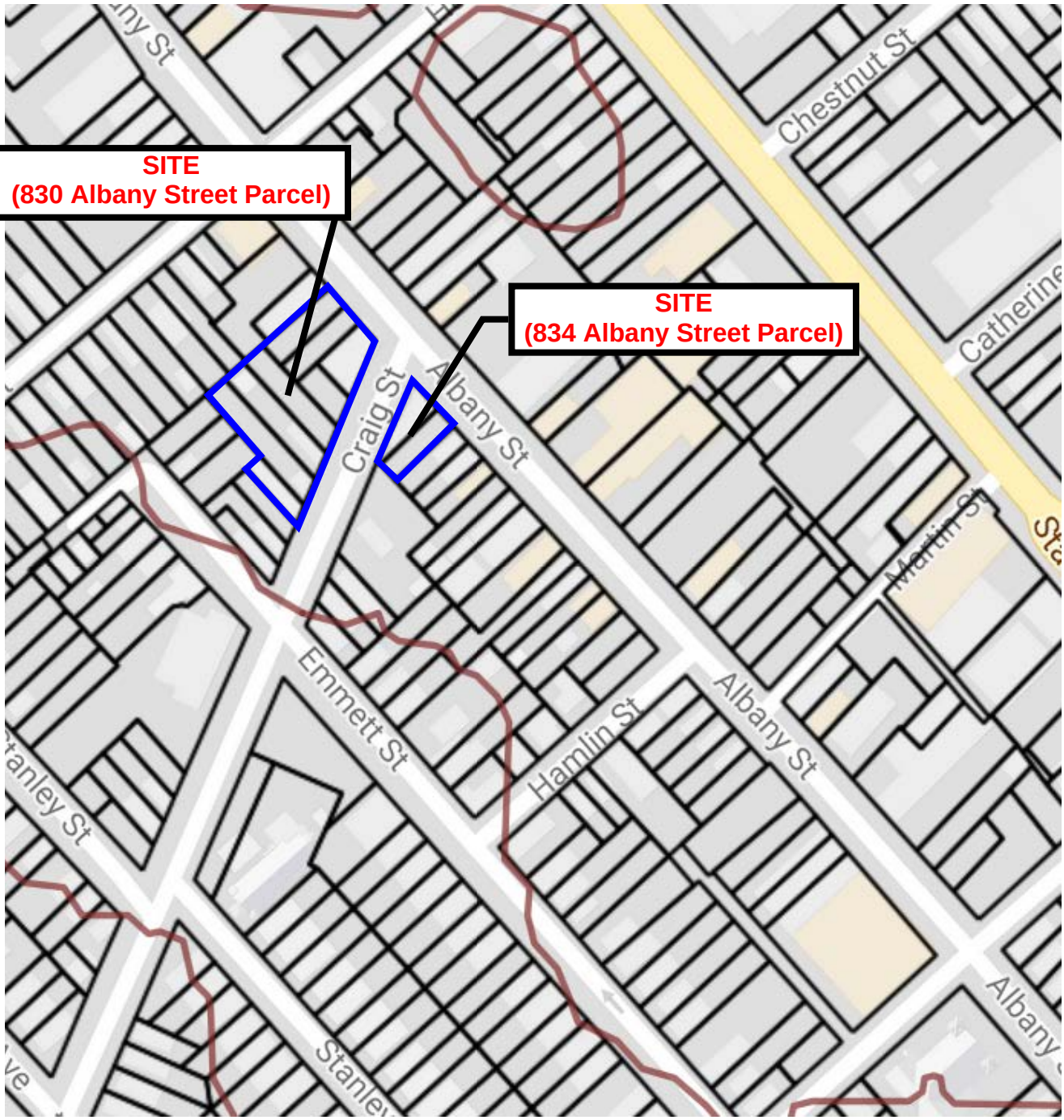
Jeffrey A. Marx, P.E.
Sr. Environmental Engineer

Attachment A:	Figures
Attachment B:	Direct Push Logs
Attachment C:	Organic Vapor Headspace Analysis Logs
Attachment D:	Monitoring Well Construction Logs
Attachment E:	Analytical Results Summary Table
Attachment F:	Analytical Report
Attachment G:	Data Usability Summary Report
Exhibit 1:	Department Approved Post Remedial Action Groundwater Sampling Plan

ec: Sue McCann, Hamilton Hill II Limited Partnership
Kelly Melaragno, Hamilton Hill II Limited Partnership
Janis Stewart, Hamilton Hill II Limited Partnership
Christine Vooris, NYSDOH
Kirk Moline, P.G., C.T. Male Associates
Steve Bieber, CHMM, C.T. Male Associates

ATTACHMENT A

FIGURES



MAP REFERENCE
USGS 7.5 Minute Topographical Map
Schenectady, New York Quadrangle
Year 2013

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50 CENTURY HILL DRIVE
LATHAM, NY 12110

FIGURE 1: SITE LOCATION MAP
HAMILTON HILL II - TARGET AREA 1 SITE

CITY OF SCHENECTADY	SCHENECTADY COUNTY, NY
SCALE: NOT TO SCALE	The locations and features depicted on this map are approximate and do not represent an actual survey.
DRAFTER: SB	
PROJECT No: 16.6334	

XREFS: NONE

PROJECT NUMBER: 16.6334

CAD DWG. FILE NAME: FIGURE 6.dwg

CAD DWG. FILE NAME: K:\Projects\177266\Survey\Drawings and Maps\FIGURE DRAWINGS\FIGURE 6.dwg

RIMW2_190402		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	8
Tetrachloroethene	5	6.1
Sodium, Total	20,000	43,100

RIMW3D_190401		
ANALYTE	SCG (ppm)	Conc. (ppm)
Manganese, Total	300	414
Sodium, Total	20,000	83,500

RIMW3_190401		
ANALYTE	SCG (ppm)	Conc. (ppm)
Tetrachloroethene	5	7.2
Sodium, Total	20,000	74,100

RIMW1_190329		
ANALYTE	SCG (ppm)	Conc. (ppm)
Sodium, Total	20,000	28,600

MW5_190401		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	11
Sodium, Total	20,000	36,500

RAMW1		
ANALYTE	SCG (ppb)	Conc. (ppb)
Tetrachloroethene	5	7.3

RAMW3		
ANALYTE	SCG (ppb)	Conc. (ppb)
Tetrachloroethene	5	6.8

RAMW4		
ANALYTE	SCG (ppb)	Conc. (ppb)
Tetrachloroethene	5	8.7

RIGP3_190723		
ANALYTE	SCG (ppm)	Conc. (ppm)
Tetrachloroethene	5	8.6

RIGP4_190723		
ANALYTE	SCG (ppm)	Conc. (ppm)
Sodium, Total	20,000	149,000 J

RIGP5_190723		
ANALYTE	SCG (ppm)	Conc. (ppm)
Benzo(a)anthracen	0.002 (GV)	0.04 J
Benzo(a)pyrene	Non Detect	0.03 J
Benzo(b)fluoranthe	0.002 (GV)	0.04 J
Benzo(k)fluoranthe	0.002 (GV)	0.02 J
Chrysene	0.002 (GV)	0.02 J
Sodium	20,000	176,000 J

RIMW5_190329			
ANALYTE	SCG (ppm)	Conc. (ppm)	
Benzo(b)fluoranthene	0.002 (GV)	0.02	J
Benzo(k)fluoranthene	0.002 (GV)	0.02	J
Indeno(1,2,3-cd)pyrene	0.002 (GV)	0.06	J
Sodium, Total	20,000	150,000	

RIMW4_190329		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	8.9
Antimony, Total	3	4.24
Sodium, Total	20,000	31,500

RIMW4D_190402		
ANALYTE	SCG (ppm)	Conc. (ppm)
Iron, Total	300	1390
Sodium, Total	20,000	125,000

RIGP1_190723		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	9.4

MW1_190402		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	10
Manganese, Total	300	933.8
Sodium, Total	20,000	34,600

MW2_190402			
ANALYTE	SCG (ppm)	Conc. (ppm)	
Chloroform	7	9.8	
Benzo(a)anthracene	0.002 (GV)	0.03	J
Benzo(a)pyrene	Non Detect	0.04	J
Benzo(b)fluoranthene	0.002 (GV)	0.04	J
Benzo(k)fluoranthene	0.002 (GV)	0.04	J
Chrysene	0.002 (GV)	0.06	J
Hexachlorobenzene	0.04	0.11	J
Indeno(1,2,3-cd)pyrene	0.002 (GV)	0.04	J
Manganese, Total	300	735.3	
Sodium, Total	20,000	37,300	

RIGP2_190723		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	9.4
Tetrachloroethene	5	6.9
Sodium, Total	20,000	39,600 J

834 MW2_190402			
ANALYTE	SCG (ppm)	Conc. (ppm)	
Benzo(k)fluoranthene	0.002 (GV)	0.01	J
Sodium, Total	20,000	207,000	

RIMW6D_190402		
ANALYTE	SCG (ppm)	Conc. (ppm)
Iron, Total	300	490
Manganese, Total	300	362.9
Sodium, Total	20,000	43,800

RIMW6_190329		
ANALYTE	SCG (ppm)	Conc. (ppm)
Sodium, Total	20,000	203,000

RAMW1 (WLE=324.80)

RAMW2 (WLE=324.53)

RAMW3 (WLE=324.43)

RAMW4 (WLE=324.25)

RAMW5 (WLE=323.66)

RAMW6 (WLE=323.99)

TANK 1 & 2

TANK 3

TANK 4

830 ALBANY STREET PARCEL

834 ALBANY STREET PARCEL

ALBANY STREET (RIGHT OF WAY WIDTH VARIES)

CRAIG STREET (RIGHT OF WAY VARIES)

APPROXIMATE LOCATION OF TANKS IN BASEMENT

SUSPECTED BURIED TANK OR DRUM

SUSPECTED PETROLEUM UST

3 STORY BRICK BUILDING

2 STORY BUILDING NO. 306 W/1.0' O.H.

2 STORY BRICK BUILDING W/0.5'O.H.

2 STORY BUILDING W/1.0' O.H. NO. 12

2 STORY BUILDING W/1.0' O.H. ON FRONT 0.3' O.H. ON SIDES

COVERED PORCHES

LEGEND

- GP-10 — PRE-RI GEOPROBE (APPROXIMATE LOCATION)
- MW1 — PRE-RI MONITORING WELL LOCATION
- SS3 — PRE-RI SHALLOW SOIL SAMPLE LOCATION (APPROXIMATE LOCATION)
- RISB1 — RI SUBSURFACE SOIL SAMPLE LOCATION
- RISV1 — RI SOIL VAPOR SAMPLE LOCATION
- RISS1 — RI SURFACE SOIL LOCATION
- RIHA1 — RI HAND AUGER LOCATION
- RIMW1 — RI MONITORING WELL LOCATION
- GENERALIZED GROUNDWATER FLOW DIRECTION
- RIGP1 — SUPPLEMENTAL RI GEOPROBE/MONITORING WELL LOCATION
- BAR SCALE
- RAMW1 (WLE=324.80) — POST-REMEDIAL ACTION MONITORING WELL LOCATION AND GROUNDWATER ELEVATION ABOVE MSL

20 0 10 20 40

1 inch = 20 ft.

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
2/21/19	1	SAMPLE POINT REVISIONS AND ADDITIONS	GLB		
3/29/19	2	FIELD LOCATION OF SAMPLE POINTS	MDD		
6/21/19	3	MISC REVS TO LEGEND/ ADD FLOW ARROWS	MDD		
8/27/19	4	MISCELLANEOUS REVISIONS	MDD		
	5				
	6				
	7				
	8				
	9				

DESIGNED:

DRAFTED : GLB

CHECKED : JAM

PROJ. NO : 16.6334

SCALE : 1" = 20'

DATE : DEC. 11, 2018

FIGURE 2: CONTAMINANTS IN GROUND WATER EXCEEDING SCGs 830 & 834 ALBANY STREET PARCELS

HAMILTON HILL - TARGET AREA 1 SITE

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NEW YORK

C.T. MALE ASSOCIATES

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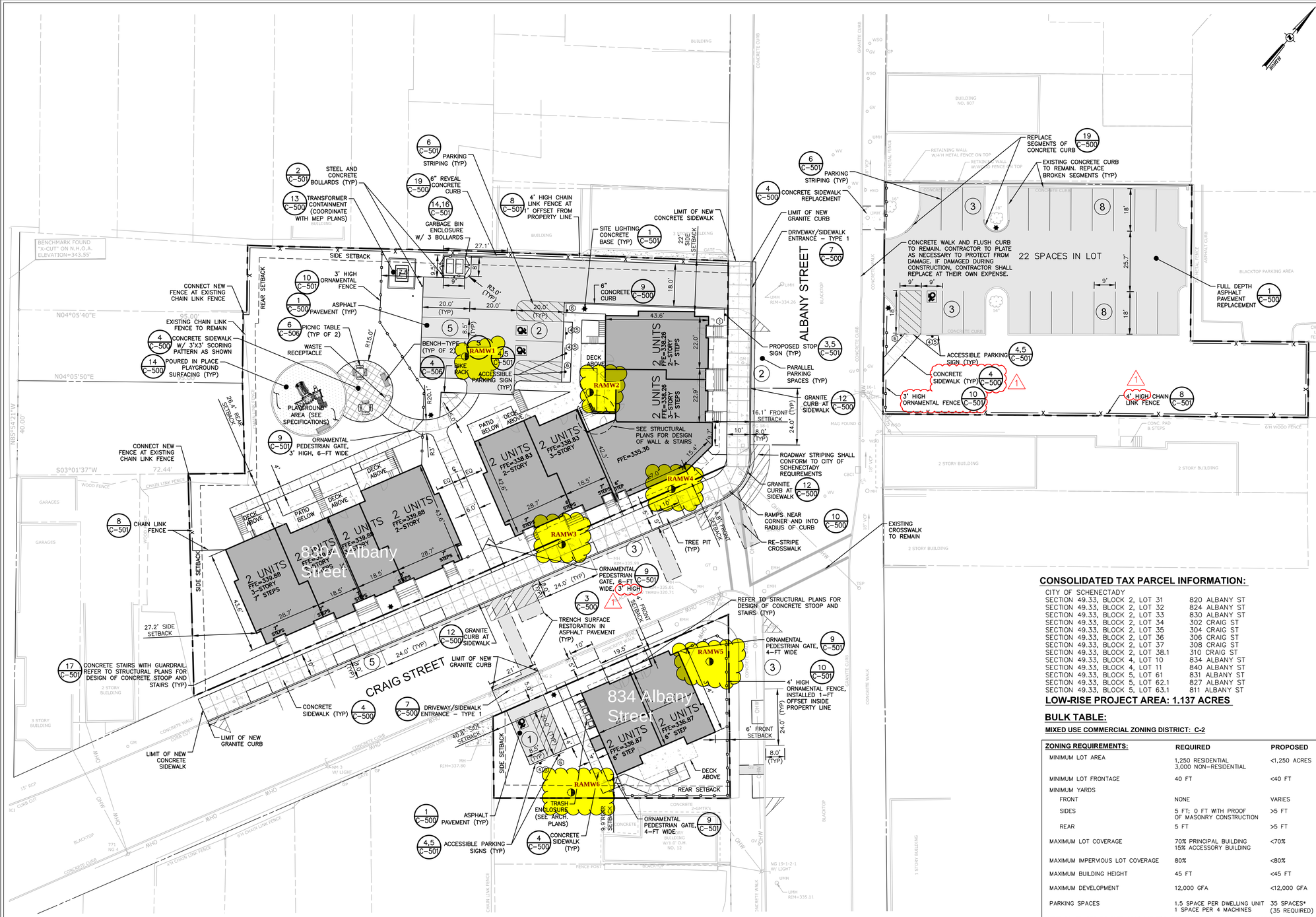


SITE LEGEND:

- PROPERTY LINE
- SETBACK LINE
- BUILDING
- PAVEMENT
- SIDEWALK
- CURB
- CHAIN LINK FENCE
- ORNAMENTAL FENCE
- CONCRETE SURFACE
- ROAD LINING & STRIPING
- SIGN
- PARKING COUNT, SHOWN FOR DESIGN PURPOSES ONLY
- PROPOSED LIGHT POLE

SITE PLAN NOTES:

GENERAL CONSTRUCTION:

1. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
2. ALL PAVEMENT RESTORATION SHALL MEET AND MATCH EXISTING GRADES.
3. ALL SAWCUT LINES SHALL BE PARALLEL AND CURVILINEAR TO EXISTING OR PROPOSED CURBING AND SHALL BE A CONSTANT DISTANCE OF 18" MIN AWAY.
4. ALL ARCHITECTURE IS SUBJECT TO PLANNING BOARD REVIEW.
5. NOTIFY ENGINEER 48 HOURS PRIOR TO INITIALIZATION OF ANY WORK ON SITE.
6. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT PRIOR REVIEW FROM THE ENGINEER.
7. CONTRACTOR IS RESPONSIBLE FOR EMPLOYING AND MAINTAINING ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING CONSTRUCTION.
8. CONTRACTOR IS RESPONSIBLE FOR PROPERLY & SAFELY MAINTAINING AREA BETWEEN ALL ADJOINING PROPERTIES.
9. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE SITE PROPERTY LINES OR PUBLIC RIGHT-OF-WAY.
10. ALL EXISTING LAWN AREA, CURBING, PAVING, SIDEWALKS, CULVERTS OR OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED BY TRENCHING OR EXCAVATION OPERATIONS SHALL BE REPLACED OR REPAIRED TO A CONDITION EQUAL TO EXISTING, AS DESCRIBED IN CONTRACT DOCUMENTS OR AS ORDERED BY ENGINEER (AOBE). MAILBOXES, SIGN POSTS, ETC SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. REMOVE AND REPLACE AFFECTED CURBING AND SIDEWALK TO NEAREST JOINT. REMOVE PAVEMENT AND REPLACE TO SAW CUT LINE, SAW CUT IN STRAIGHT LINE TO POINT NEEDED TO BLEND GRADE, REMOVE LAWN AND REPLACE TO MINIMUM LIMIT OF EXCAVATION.

LAYOUT :

1. BUILDING DIMENSIONS TO BE TAKEN FROM ARCHITECTURAL BUILDING PLANS. NOTIFY THE ENGINEER OF ANY DEVIATION FROM CONDITIONS SHOWN ON THIS PLAN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND THE ENGINEER AND THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADDITIONS TO THE SATISFACTION OF THE OWNER AND THE ENGINEER BEFORE UTILITIES WILL BE ACCEPTED.

PAVING:

1. NO VEHICULAR TRAFFIC OF ANY SORT SHALL BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING. SUBBASE MATERIAL SO PREPARED FOR PAVING SHALL BE PAVED WITHIN THREE DAYS OF PREPARATION.
2. SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED **"LATEST EDITION"**, CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.
4. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAY'S WORK.
5. TACK COAT WHEN SPECIFIED OR CALLED OUT ON THE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATION SHALL CONFORM WITH THE FOLLOWING:
   A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF 702-90 ASPHALT EMULSION FOR TACK COAT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED **"LATEST EDITION"**. SHALL BE APPLIED IN ACCORDANCE WITH SECTION 407 - TACK COAT SHALL BE IN ACCORDANCE WITH THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
   B. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE. USE POWER BROOMS, BLOWERS OR HAND BROOM.
   C. APPLY TACK COAT TO ASPHALT PAVEMENT SURFACES & AND SURFACES OF CURBS, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR ABUTTING PAVEMENT. DRY TO A "TACKY" CONSISTENCY BEFORE PAVING.
   D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.
6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.

STRIPING:

1. STRIPE PAVEMENT AS INDICATED ON THE PLANS AND/OR IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
2. COLOR: DRIVE LANE DIVIDERS - WHITE OR AOBE
   NO PARKING ZONE WARNINGS - WHITE OR AOBE
   PARKING DIVIDERS - WHITE OR AOBE
   WALKING LINES - WHITE OR AOBE
   HANDICAP PARKING LINES & SYMBOL - BLUE

CONSOLIDATED TAX PARCEL INFORMATION:

CITY OF SCHENECTADY

SECTION 49.33, BLOCK 2, LOT 31	820 ALBANY ST
SECTION 49.33, BLOCK 2, LOT 32	824 ALBANY ST
SECTION 49.33, BLOCK 2, LOT 33	830 ALBANY ST
SECTION 49.33, BLOCK 2, LOT 34	302 CRAIG ST
SECTION 49.33, BLOCK 2, LOT 35	304 CRAIG ST
SECTION 49.33, BLOCK 2, LOT 36	306 CRAIG ST
SECTION 49.33, BLOCK 2, LOT 37	308 CRAIG ST
SECTION 49.33, BLOCK 2, LOT 38.1	310 CRAIG ST
SECTION 49.33, BLOCK 4, LOT 10	834 ALBANY ST
SECTION 49.33, BLOCK 4, LOT 11	840 ALBANY ST
SECTION 49.33, BLOCK 5, LOT 61	831 ALBANY ST
SECTION 49.33, BLOCK 5, LOT 62.1	827 ALBANY ST
SECTION 49.33, BLOCK 5, LOT 63.1	811 ALBANY ST

LOW-RISE PROJECT AREA: 1.137 ACRES

BULK TABLE:

MIXED USE COMMERCIAL ZONING DISTRICT: C-2

ZONING REQUIREMENTS:	REQUIRED	PROPOSED
MINIMUM LOT AREA	1,250 RESIDENTIAL 3,000 NON-RESIDENTIAL	<1,250 ACRES
MINIMUM LOT FRONTAGE	40 FT	<40 FT
MINIMUM YARDS		
FRONT	NONE	VARIES
SIDES	5 FT; 0 FT WITH PROOF OF MASONRY CONSTRUCTION	>5 FT
REAR	5 FT	>5 FT
MAXIMUM LOT COVERAGE	70% PRINCIPAL BUILDING 15% ACCESSORY BUILDING	<70%
MAXIMUM IMPERVIOUS LOT COVERAGE	80%	<80%
MAXIMUM BUILDING HEIGHT	45 FT	<45 FT
MAXIMUM DEVELOPMENT	12,000 GFA	<12,000 GFA
PARKING SPACES	1.5 SPACE PER DWELLING UNIT 1 SPACE PER 4 MACHINES	35 SPACES* (35 REQUIRED)

*THE 35 SPACES DO NOT ACCOUNT FOR THE 7 PARALLEL SPACES ON CRAIG STREET

PLAN COORDINATION NOTE:

1. SEE SITE CONSTRUCTION DETAILS IN MIDRISE BUILDING PACKAGE.

Dig Safely. New York
- Call Before You Dig
- Wait The Required Time
- Confirm Utility Response
- Respect The Marks
- Dig With Care

800-962-7962
www.digsafelynewyork.com

0 1 2 3
ORIGINAL SCALE IN INCHES

03/15/19 ADDENDUM-1

DATE: 08/10/18
DRAWN BY: TCC
JOB #: 3798.00
SCALE: 1"=20'
DRAWING #: LR-C130

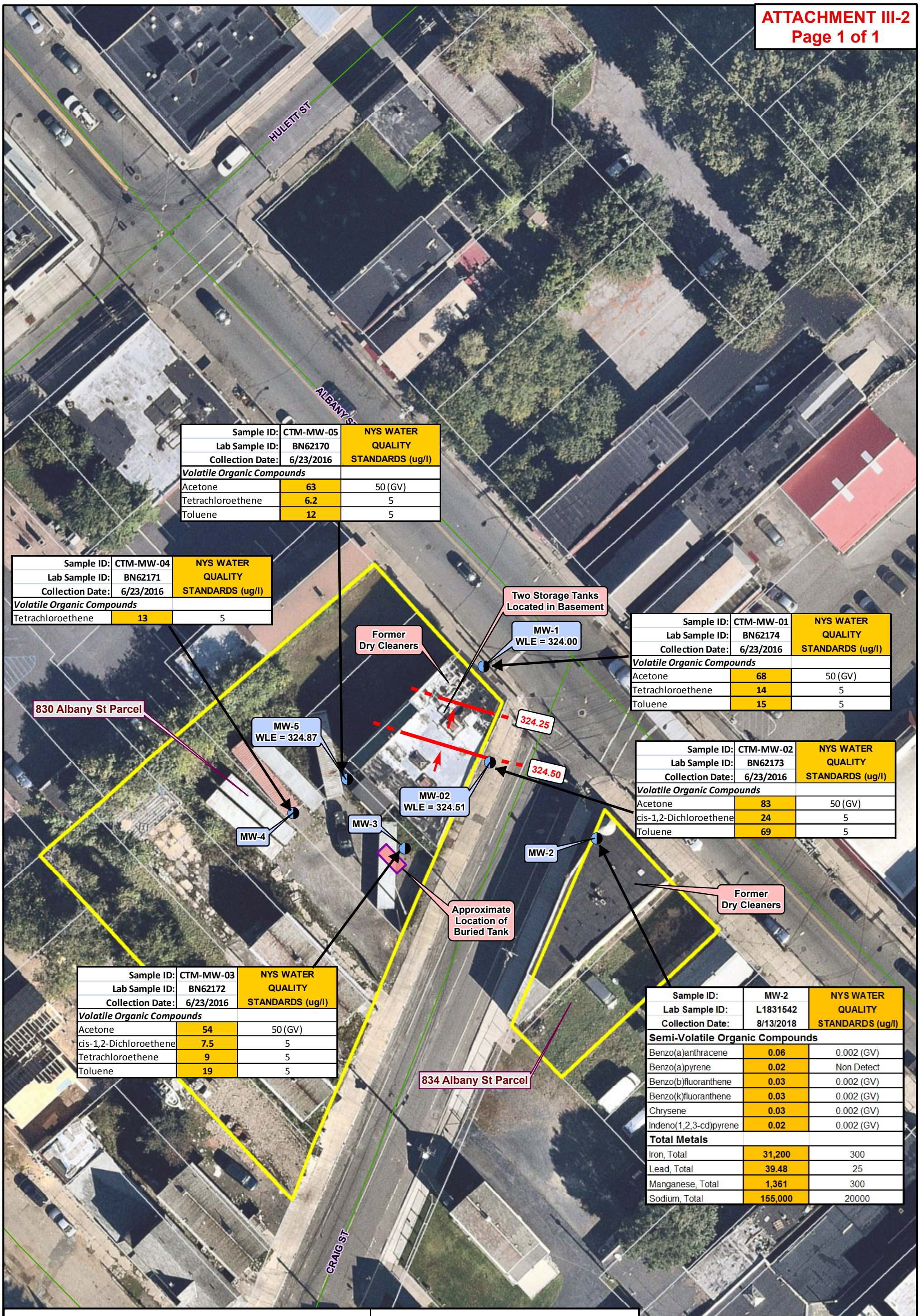
REGISTERED LANDSCAPE ARCHITECT JAMES ANDREW SADOWSKY 001931 STATE OF NEW YORK

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C.

HAMILTON HILL II
Hamilton Hill Neighborhood, Schenectady, NY

SITE LAYOUT PLAN
Construction Documents

© dave sadowsky, architect, p.c.
97 maxon road, petersburgh new york 12138
"socially conscious design" (518)658-2830
dave@sadowskyarchitect.com



Sample ID:	CTM-MW-05	NYS WATER QUALITY STANDARDS (ug/l)
Lab Sample ID:	BN62170	
Collection Date:	6/23/2016	
Volatile Organic Compounds		
Acetone	**63**	50 (GV)
Tetrachloroethene	**6.2**	5
Toluene	**12**	5

Sample ID:	CTM-MW-04	NYS WATER QUALITY STANDARDS (ug/l)
Lab Sample ID:	BN62171	
Collection Date:	6/23/2016	
Volatile Organic Compounds		
Tetrachloroethene	**13**	5

Sample ID:	CTM-MW-01	NYS WATER QUALITY STANDARDS (ug/l)
Lab Sample ID:	BN62174	
Collection Date:	6/23/2016	
Volatile Organic Compounds		
Acetone	**68**	50 (GV)
Tetrachloroethene	**14**	5
Toluene	**15**	5

Sample ID:	CTM-MW-02	NYS WATER QUALITY STANDARDS (ug/l)
Lab Sample ID:	BN62173	
Collection Date:	6/23/2016	
Volatile Organic Compounds		
Acetone	**83**	50 (GV)
cis-1,2-Dichloroethene	**24**	5
Toluene	**69**	5

Sample ID:	CTM-MW-03	NYS WATER QUALITY STANDARDS (ug/l)
Lab Sample ID:	BN62172	
Collection Date:	6/23/2016	
Volatile Organic Compounds		
Acetone	**54**	50 (GV)
cis-1,2-Dichloroethene	**7.5**	5
Tetrachloroethene	**9**	5
Toluene	**19**	5

Sample ID:	MW-2	NYS WATER QUALITY STANDARDS (ug/l)
Lab Sample ID:	L1831542	
Collection Date:	8/13/2018	
Semi-Volatile Organic Compounds		
Benzo(a)anthracene	**0.06**	0.002 (GV)
Benzo(a)pyrene	**0.02**	Non Detect
Benzo(b)fluoranthene	**0.03**	0.002 (GV)
Benzo(k)fluoranthene	**0.03**	0.002 (GV)
Chrysene	**0.03**	0.002 (GV)
Indeno(1,2,3-cd)pyrene	**0.02**	0.002 (GV)
Total Metals		
Iron, Total	**31,200**	300
Lead, Total	**39.48**	25
Manganese, Total	**1,361**	300
Sodium, Total	**155,000**	20000

0 20 40 80 FT

1 inch = 40 feet

Legend
- Approximate Monitoring Well Locations
- Road Centerlines
- Project Site
- City of Schenectady Parcels

Map Notes:
1. 324.50 Groundwater contour map from water level elevations obtained on 8/18/2017. Dashed where inferred.
2. The locations and features depicted on this map are approximate and do not represent a field survey.

Project Number: 16.6334
Data Source: NYSGIS Clearinghouse
Projection: State Plane NAD83 NYE (feet)
Date: October 22, 2018
File: Fig2HamiltonHill2018_11x17.mxd
GIS: C Secor

FIGURE 4: GROUNDWATER EXCEEDING NYS AWQS PHASE II ESA SAMPLED MONITORING WELLS HAMILTON HILL II - TARGET AREA 1 SITE

City of Schenectady — Schenectady County, New York

C.T. MALE ASSOCIATES
ENGINEERING, SURVEYING, ARCHITECTURE & LANDSCAPE ARCHITECTURE, D.P.C.
50 CENTURY HILL DRIVE, LATHAM, NEW YORK 12110
(518) 786-7400 * FAX (518) 786-7299 * WWW.CTMALE.COM

ATTACHMENT B

DIRECT PUSH LOGS

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**RAMW1**		
ELEV.:	**338.62'**	**DATUM:**	**AMSL**
START DATE:	**6/25/20**	**FINISH DATE:**	**6/25/20**
SHEET	**1 of 2**		

PROJECT:	Hamilton Hill II - Target Area 1 BCP Site (C447052)	CTM PROJECT NO.:	16.6334
LOCATION:	830 & 834 Albany Street, City/County Schenectady	CTM OBSERVER:	Chris Ormsby

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	4	Fill: Fine brown SAND, little brown silt, trace coarse sub-angular gravel	
4		2			
6		3	3		
8		4			Moist @ ±7.5' bgs
10		5	2.25	Brown and orange fine to coarse SAND, trace brown silt	
12		6			
14		7	4	Fine brown SAND and SILT, trace coarse sub-angular gravel	Wet @ ±14' bgs
16		8		Brown SILT and CLAY, trace to coarse sub-angular gravel	

DRILLING CONTRACTOR:	Precision Industrial Services, Inc.
DIRECT-PUSH TYPE:	Track-Mounted Geoprobe
METHOD OF SAMPLING:	4' Long Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
6/30/20	13.64	Top of PVC Casing

SAMPLE CLASSIFICATION BY: Chris Ormsby

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**RAMW1**		
ELEV.:	**338.62'**	**DATUM:**	**AMSL**
START DATE:	**6/25/20**	**FINISH DATE:**	**6/25/20**
SHEET	**2 of 2**		

PROJECT:	Hamilton Hill II - Target Area 1 BCP Site (C447052)	CTM PROJECT NO.:	16.6334
LOCATION:	830 & 834 Albany Street, City/County Schenectady	CTM OBSERVER:	Chris Ormsby

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		9	4	Brown CLAY, Some brown Silt, trace coarse sand	
		10			
20				Gray CLAY, little brown silt	
				Boring Terminated @ ±20' bgs	
22					
24					
26					
28					
30					
32					

DRILLING CONTRACTOR:	Precision Industrial Services, Inc.
DIRECT-PUSH TYPE:	Track-Mounted Geoprobe
METHOD OF SAMPLING:	4' Long Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
6/30/20	13.64	Top of PVC Casing

SAMPLE CLASSIFICATION BY: Chris Ormsby

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**RAMW2**		
ELEV.:	**337.73'**	**DATUM:**	**AMSL**
START DATE:	**6/25/20**	**FINISH DATE:**	**6/25/20**
SHEET	**1 of 2**		

PROJECT:	Hamilton Hill II - Target Area 1 BCP Site (C447052)	CTM PROJECT NO.:	16.6334
LOCATION:	830 & 834 Albany Street, City/County Schenectady	CTM OBSERVER:	Chris Ormsby

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	3	Fill: Fine to coarse brown SAND, little brown silt, trace coarse sub-angular gravel	
4		2			
6		3	4		
8		4			
10		5	4	Fine brown SAND, little brown silt, trace coarse orange/brown sand	Moist
12		6			
14		7	3.5	Fine brown SAND and SILT, trace brown clay	Wet @ ±13' bgs
16		8		Brown SILT and CLAY, trace fine brown sand	

DRILLING CONTRACTOR:	Precision Industrial Services, Inc.
DIRECT-PUSH TYPE:	Track-Mounted Geoprobe
METHOD OF SAMPLING:	4' Long Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
6/30/20	12.9	Top of PVC Casing

SAMPLE CLASSIFICATION BY: Chris Ormsby

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**RAMW2**		
ELEV.:	**337.73'**	**DATUM:**	**AMSL**
START DATE:	**6/25/20**	**FINISH DATE:**	**6/25/20**
SHEET	**2 of 2**		

PROJECT:	Hamilton Hill II - Target Area 1 BCP Site (C447052)	CTM PROJECT NO.:	16.6334
LOCATION:	830 & 834 Albany Street, City/County Schenectady	CTM OBSERVER:	Chris Ormsby

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		9	2	Brown SILT and CLAY, trace fine brown sand Gray CLAY, trace brown silt	
				Boring Terminated @ ±18' bgs	
20					
22					
24					
26					
28					
30					
32					

DRILLING CONTRACTOR:	Precision Industrial Services, Inc.
DIRECT-PUSH TYPE:	Track-Mounted Geoprobe
METHOD OF SAMPLING:	4' Long Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
6/30/20	12.9	Top of PVC Casing

SAMPLE CLASSIFICATION BY: Chris Ormsby

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**RAMW3**		
ELEV.:	**336.03**	**DATUM:**	**AMSL**
START DATE:	**6/25/20**	**FINISH DATE:**	**6/25/20**
SHEET	**1 of 2**		

PROJECT:	Hamilton Hill II - Target Area 1 BCP Site (C447052)	CTM PROJECT NO.:	16.6334
LOCATION:	830 & 834 Albany Street, City/County Schenectady	CTM OBSERVER:	Chris Ormsby

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	2	Fill: Fine to coarse brown SAND, little brown silt, trace coarse sub-angular gravel	
4		2			
6		3	2		
8		4		Light brown to brown fine to coarse SAND, little brown silt	
10		5	2		
12		6		Dark brown coarse SAND, trace brown silt	Wet @ ±11.75' bgs
14		7	4		Black Staining (±12.5'-13.5' bgs)
16		8		Brown CLAY, little brown silt, trace coarse brown sand and coarse sub-angular gravel	

DRILLING CONTRACTOR:	Precision Industrial Services, Inc.
DIRECT-PUSH TYPE:	Track-Mounted Geoprobe
METHOD OF SAMPLING:	4' Long Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
6/30/20	11.54	Top of PVC Casing

SAMPLE CLASSIFICATION BY: Chris Ormsby

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**RAMW3**		
ELEV.:	**336.03'**	**DATUM:**	**AMSL**
START DATE:	**6/25/20**	**FINISH DATE:**	**6/25/20**
SHEET	**2 of 2**		

PROJECT:	Hamilton Hill II - Target Area 1 BCP Site (C447052)	CTM PROJECT NO.:	16.6334
LOCATION:	830 & 834 Albany Street, City/County Schenectady	CTM OBSERVER:	Chris Ormsby

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		9	2	Gray CLAY, little brown silt, trace coarse sub-angular gravel	
				Boring Terminated @ ±18' bgs	
20					
22					
24					
26					
28					
30					
32					

DRILLING CONTRACTOR:	Precision Industrial Services, Inc.
DIRECT-PUSH TYPE:	Track-Mounted Geoprobe
METHOD OF SAMPLING:	4' Long Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
6/30/20	11.54	Top of PVC Casing

SAMPLE CLASSIFICATION BY: Chris Ormsby

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**RAMW4**		
ELEV.:	**334.93'**	**DATUM:**	**AMSL**
START DATE:	**6/25/20**	**FINISH DATE:**	**6/25/20**
SHEET	**1 of 1**		

PROJECT:	Hamilton Hill II - Target Area 1 BCP Site (C447052)	CTM PROJECT NO.:	16.6334
LOCATION:	830 & 834 Albany Street, City/County Schenectady	CTM OBSERVER:	Chris Ormsby

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	3	FILL: Fine to coarse brown SAND, little brown silt, trace coarse sub-angular gravel	
4		2			
6		3	3		
8		4		Light brown/orange fine SAND, trace brown silt	
10		5	3.5		
12		6		Dark brown fine to coarse SAND, trace brown silt	Wet @ ±11' bgs
14		7	4	Light brown SILT and CLAY grading into gray and brown CLAY, little brown silt, trace coarse sub-angular gravel	
16		8		Boring Terminated @ ±18' bgs	

DRILLING CONTRACTOR:	Precision Industrial Services, Inc.
DIRECT-PUSH TYPE:	Track-Mounted Geoprobe
METHOD OF SAMPLING:	4' Long Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
6/30/20	10.55	Top of PVC Casing

SAMPLE CLASSIFICATION BY: Chris Ormsby

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**RAMW5**		
ELEV.:	**335.66'**	**DATUM:**	**AMSL**
START DATE:	**6/25/20**	**FINISH DATE:**	**6/25/20**
SHEET	**1 of 2**		

PROJECT:	Hamilton Hill II - Target Area 1 BCP Site (C447052)	CTM PROJECT NO.:	16.6334
LOCATION:	830 & 834 Albany Street, City/County Schenectady	CTM OBSERVER:	Chris Ormsby

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	1.5	FILL: Dark brown fine to coarse SAND, little coarse sub-angular gravel, trace brown silt	
4		2			
6		3	2		
8		4		Brown fine to coarse SAND, little brown silt, trace fine angular gravel	
10		5	3	Brown fine SAND, Some brown Silt	
12		6		Mixed dark brown/black/orange/white SAND, little dark brown silt	
14		7	3.5		
16		8		Brown SILT and CLAY, trace fine sub-angular gravel	Wet @ ±14.5' bgs

DRILLING CONTRACTOR:	Precision Industrial Services, Inc.
DIRECT-PUSH TYPE:	Track-Mounted Geoprobe
METHOD OF SAMPLING:	4' Long Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
6/30/20	11.96	Top of PVC Casing

SAMPLE CLASSIFICATION BY: Chris Ormsby

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**RAMW5**		
ELEV.:	**335.66'**	**DATUM:**	**AMSL**
START DATE:	**6/25/20**	**FINISH DATE:**	**6/25/20**
SHEET	**2 of 2**		

PROJECT:	Hamilton Hill II - Target Area 1 BCP Site (C447052)	CTM PROJECT NO.:	16.6334
LOCATION:	830 & 834 Albany Street, City/County Schenectady	CTM OBSERVER:	Chris Ormsby

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		9	4	Brown SILT and CLAY, trace fine sub-angular gravel	
20		10			
				Boring Terminated @ ±20' bgs	
22					
24					
26					
28					
30					
32					

DRILLING CONTRACTOR:	Precision Industrial Services, Inc.
DIRECT-PUSH TYPE:	Track-Mounted Geoprobe
METHOD OF SAMPLING:	4' Long Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
6/30/20	11.96	Top of PVC Casing

SAMPLE CLASSIFICATION BY: Chris Ormsby

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**RAMW6**		
ELEV.:	**336.94'**	**DATUM:**	**AMSL**
START DATE:	**6/25/20**	**FINISH DATE:**	**6/25/20**
SHEET	**1 of 2**		

PROJECT:	Hamilton Hill II - Target Area 1 BCP Site (C447052)	CTM PROJECT NO.:	16.6334
LOCATION:	830 & 834 Albany Street, City/County Schenectady	CTM OBSERVER:	Chris Ormsby

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	2	FILL: Coarse grey sub-angular GRAVEL	
4		2		FILL: Dark brown fine to coarse SAND, little brown silt, trace coarse sub-angular gravel	
6		3	0.1		
8		4			
10		5	0.5	Mixed dark brown/white/black coarse SAND, trace brown silt	
12		6			
14		7	4		
16		8			Wet @ ±15' bgs

DRILLING CONTRACTOR:	Precision Industrial Services, Inc.
DIRECT-PUSH TYPE:	Track-Mounted Geoprobe
METHOD OF SAMPLING:	4' Long Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
6/30/20	12.83	Top of PVC Casing

SAMPLE CLASSIFICATION BY: Chris Ormsby

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**RAMW6**		
ELEV.:	**336.94**	**DATUM:**	**AMSL**
START DATE:	**6/25/20**	**FINISH DATE:**	**6/25/20**
SHEET	**2 of 2**		

PROJECT:	Hamilton Hill II - Target Area 1 BCP Site (C447052)	CTM PROJECT NO.:	16.6334
LOCATION:	830 & 834 Albany Street, City/County Schenectady	CTM OBSERVER:	Chris Ormsby

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		9	3.9	Mixed brown/white/black coarse SAND, trace coarse sub-angular gravel	
		10			
20				Brown SILT, Some gray Clay, trace brown fine sand	
				Boring Terminated @ ±20' bgs	
22					
24					
26					
28					
30					
32					

DRILLING CONTRACTOR:	Precision Industrial Services, Inc.
DIRECT-PUSH TYPE:	Track-Mounted Geoprobe
METHOD OF SAMPLING:	4' Long Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
6/30/20	12.83	Top of PVC Casing

SAMPLE CLASSIFICATION BY: Chris Ormsby

ATTACHMENT C

ORGANIC VAPOR HEADSPACE ANALYSIS LOGS

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: Hamilton Hill II - Target Area 1 Site (C447052)		**PROJECT #:** 16.6334	**PAGE 1 OF 3**
CLIENT: Hamilton Hill II Limited Partnership			**DATE**
LOCATION: 830 & 834 Albany Street, City/County of Schenectady, NY			**COLLECTED:** 6/25/2020
INSTRUMENT USED: MiniRae 3000	**LAMP** 10.6 **eV**		**DATE**
DATE INSTRUMENT CALIBRATED: 6/25/2020	**BY:** Chris Ormsby		**ANALYZED:** 6/25/2020
TEMPERATURE OF SOIL: ambient			**ANALYST:** Chris Ormsby

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
RAMW1	1	0-2	Soil	0.2	0.2	No Odors/No Staining
RAMW1	2	2-4	Soil	0.3	0.2	No Odors/No Staining
RAMW1	3	4-6	Soil	0.4	0.2	No Odors/No Staining
RAMW1	4	6-8	Soil	0.4	0.2	No Odors/No Staining
RAMW1	5	8-10	Soil	0.5	0.2	No Odors/No Staining
RAMW1	6	10-12	Soil	0.6	0.2	No Odors/No Staining
RAMW1	7	12-14	Soil	0.5	0.3	No Odors/No Staining
RAMW1	8	14-16	Soil	0.5	0.3	No Odors/No Staining
RAMW1	9	16-18	Soil	0.5	0.3	No Odors/No Staining
RAMW1	10	18-20	Soil	0.5	0.3	No Odors/No Staining
RAMW2	1	0-2	Soil	0.4	0.3	No Odors/No Staining
RAMW2	2	2-4	Soil	0.4	0.3	No Odors/No Staining
RAMW2	3	4-6	Soil	0.4	0.3	No Odors/No Staining
RAMW2	4	6-8	Soil	0.4	0.3	No Odors/No Staining
RAMW2	5	8-10	Soil	0.8	0.3	No Odors/No Staining
RAMW2	6	10-12	Soil	0.8	0.3	No Odors/No Staining
RAMW2	7	12-14	Soil	1.2	0.3	No Odors/No Staining
RAMW2	8	14-16	Soil	1.2	0.3	No Odors/No Staining
RAMW2	9	16-18	Soil	0.5	0.2	No Odors/No Staining

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
*** represents feet below the ground surface

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: Hamilton Hill II - Target Area 1 Site (C447052)		**PROJECT #:** 16.6334	**PAGE 2 OF 3**
CLIENT: Hamilton Hill II Limited Partnership			**DATE**
LOCATION: 830 & 834 Albany Street, City/County of Schenectady, NY			**COLLECTED:** 6/25/2020
INSTRUMENT USED: MiniRae 3000	**LAMP** 10.6 **eV**		**DATE**
DATE INSTRUMENT CALIBRATED: 6/25/2020	**BY:** Chris Ormsby		**ANALYZED:** 6/25/2020
TEMPERATURE OF SOIL: ambient			**ANALYST:** Chris Ormsby

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
RAMW3	1	0-2	Soil	0.4	0.3	No Odors/No Staining
RAMW3	2	2-4	Soil	0.4	0.3	No Odors/No Staining
RAMW3	3	4-6	Soil	0.4	0.2	No Odors/No Staining
RAMW3	4	6-8	Soil	0.4	0.2	No Odors/No Staining
RAMW3	5	8-10	Soil	0.5	0.5	No Odors/No Staining
RAMW3	6	10-12	Soil	0.5	0.5	No Odors/No Staining
RAMW3	7	12-14	Soil	71.1	0.4	Black Stain/Petro-Type Odor
RAMW3	8	14-16	Soil	1.1	0.4	No Odors/No Staining
RAMW3	9	16-18	Soil	0.8	0.3	No Odors/No Staining
RAMW4	1	0-2	Soil	0.3	0.2	No Odors/No Staining
RAMW4	2	2-4	Soil	0.3	0.2	No Odors/No Staining
RAMW4	3	4-6	Soil	0.3	0.2	No Odors/No Staining
RAMW4	4	6-8	Soil	0.5	0.2	No Odors/No Staining
RAMW4	5	8-10	Soil	0.5	0.2	No Odors/No Staining
RAMW4	6	10-12	Soil	0.5	0.2	No Odors/No Staining
RAMW4	7	12-14	Soil	0.9	0.2	No Odors/No Staining
RAMW4	8	14-16	Soil	0.9	0.2	No Odors/No Staining

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
*** represents feet below the ground surface

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: Hamilton Hill II - Target Area 1 Site (C447052)		**PROJECT #:** 16.6334	**PAGE 3 OF 3**
CLIENT: Hamilton Hill II Limited Partnership			**DATE**
LOCATION: 830 & 834 Albany Street, City/County of Schenectady, NY			**COLLECTED:** 6/25/2020
INSTRUMENT USED: MiniRae 3000	**LAMP** 10.6 **eV**		**DATE**
DATE INSTRUMENT CALIBRATED: 6/25/2020	**BY:** Chris Ormsby		**ANALYZED:** 6/25/2020
TEMPERATURE OF SOIL: ambient			**ANALYST:** Chris Ormsby

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
RAMW5	1	0-2	Soil	0.3	0.2	No Odors/No Staining
RAMW5	2	2-4	Soil	0.4	0.2	No Odors/No Staining
RAMW5	3	4-6	Soil	0.4	0.2	No Odors/No Staining
RAMW5	4	6-8	Soil	0.3	0.2	No Odors/No Staining
RAMW5	5	8-10	Soil	0.4	0.1	No Odors/No Staining
RAMW5	6	10-12	Soil	0.8	0.1	No Odors/No Staining
RAMW5	7	12-14	Soil	0.7	0.2	No Odors/No Staining
RAMW5	8	14-16	Soil	0.6	0.2	No Odors/No Staining
RAMW5	9	16-18	Soil	0.7	0.2	No Odors/No Staining
RAMW5	10	18-20	Soil	0.7	0.2	No Odors/No Staining
RAMW6	1	0-2	Soil	0.2	0.2	No Odors/No Staining
RAMW6	2	2-4	Soil	0.2	0.2	No Odors/No Staining
RAMW6	3	4-6	Soil	0.2	0.2	No Odors/No Staining
RAMW6	4	6-8	Soil	0.2	0.2	No Odors/No Staining
RAMW6	5	8-10	Soil	0.2	0.2	No Odors/No Staining
RAMW6	6	10-12	Soil	0.2	0.2	No Odors/No Staining
RAMW6	7	12-14	Soil	0.3	0.2	No Odors/No Staining
RAMW6	8	14-16	Soil	0.3	0.2	No Odors/No Staining
RAMW6	9	16-18	Soil	0.4	0.2	No Odors/No Staining
RAMW6	10	18-20	Soil	0.5	0.2	No Odors/No Staining

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
*** represents feet below the ground surface

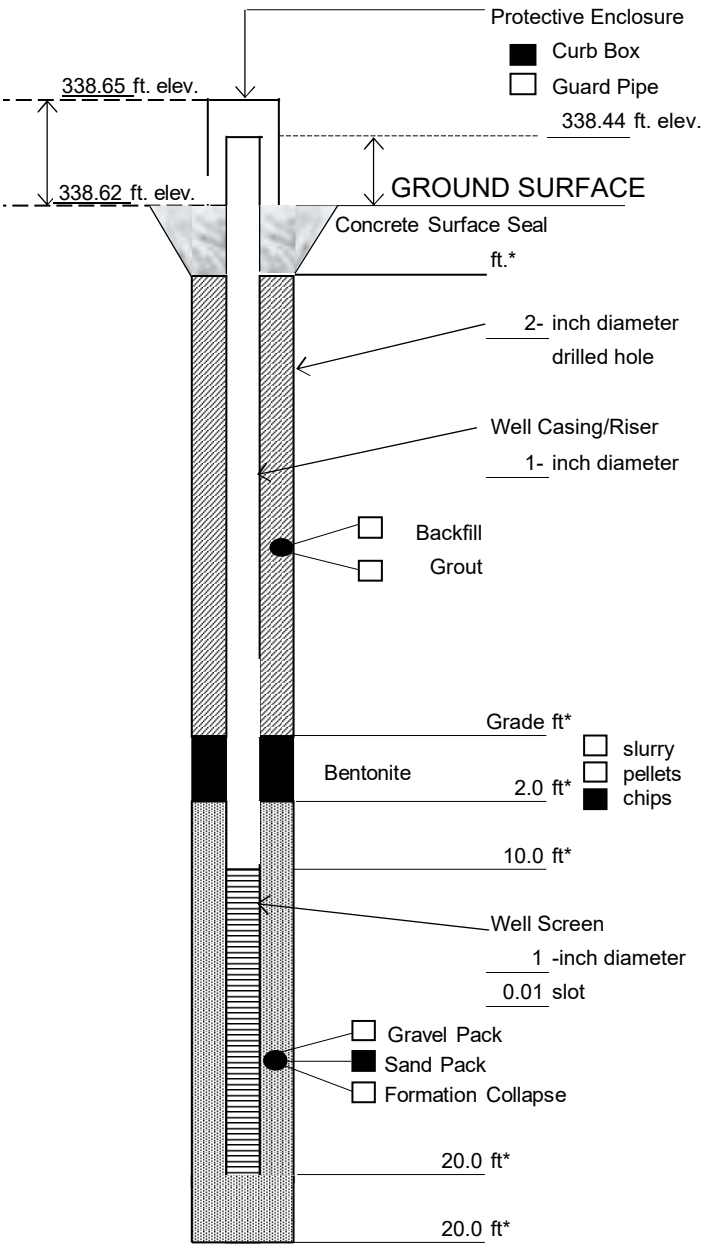
ATTACHMENT D

MONITORING WELL CONSTRUCTION LOGS

Well No. **RAMW1**

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Hamilton Hill II - Target Area 1 BCP Site
830 & 834 Albany Street

Project Number: 16.6334

Well No.: RAMW1 Boring No.: RAMW1

Town/City: City of Schenectady

County: Schenectady State: NY

Installation Date(s): 6/25/2020

Drilling Contractor: Precision Environmental Services, Inc.

Drilling Method: Direct Push

Water Depth From Top of Riser: 13.64 ft 6/30/2020 Date

C.T. Male Observer: Chris Ormsby

Materials Used:

0.5	Bags of Sand	(50	lb. bags)
	Sand Size: 1	Brand:	FilPro
0.1	Bags of Bentonite	(50	lb. bags)
	Brand:	Holeplug	
10	ft. of	0.01-Slot, 1-inch diameter	well screen
10	ft. of	1-inch diameter	well riser
0.5	Bags of Cement/Concrete	(80	lb. bags)
	Brand:	Quikrete	

Grout Mixture:

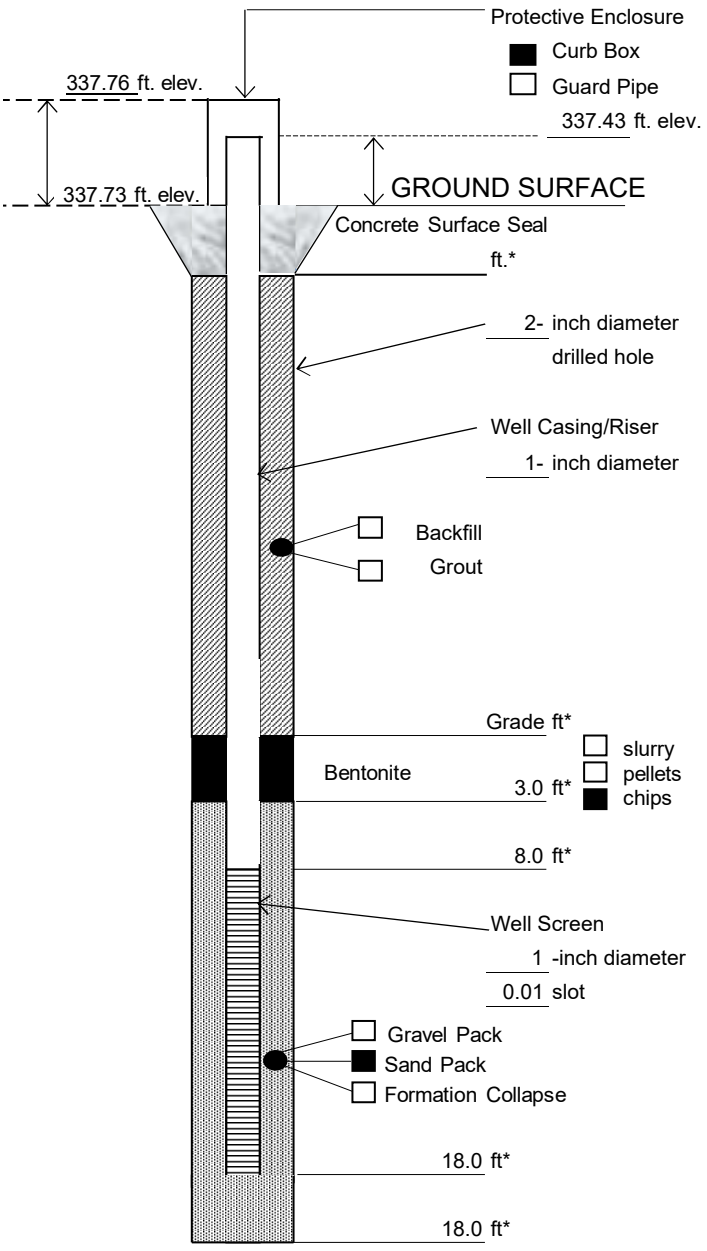
_____	Bags of Cement	(_____ lb. bags)
_____	Lbs. of Bentonite	
_____	Gallons of Water	
_____	Grout Batches	

Notes:

Well No. **RAMW2**

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Hamilton Hill II - Target Area 1 BCP Site
830 & 834 Albany Street

Project Number: 16.6334

Well No.: RAMW2 Boring No.: RAMW2

Town/City: City of Schenectady

County: Schenectady State: NY

Installation Date(s): 6/25/2020

Drilling Contractor: Precision Environmental Services, Inc.

Drilling Method: Direct Push

Water Depth From Top of Riser: 12.9 ft 6/25/2020 (Date)

C.T. Male Observer: Chris Ormsby

Materials Used:

0.5	Bags of Sand	(50	lb. bags)
	Sand Size: 1	Brand:	FilPro
0.15	Bags of Bentonite	(50	lb. bags)
	Brand:	Holeplug	
10	ft. of	0.01-Slot, 1-inch diameter	well screen
8	ft. of	1-inch diameter	well riser
0.5	Bags of Cement/Concrete	(80	lb. bags)
	Brand:	Quikrete	

Grout Mixture:

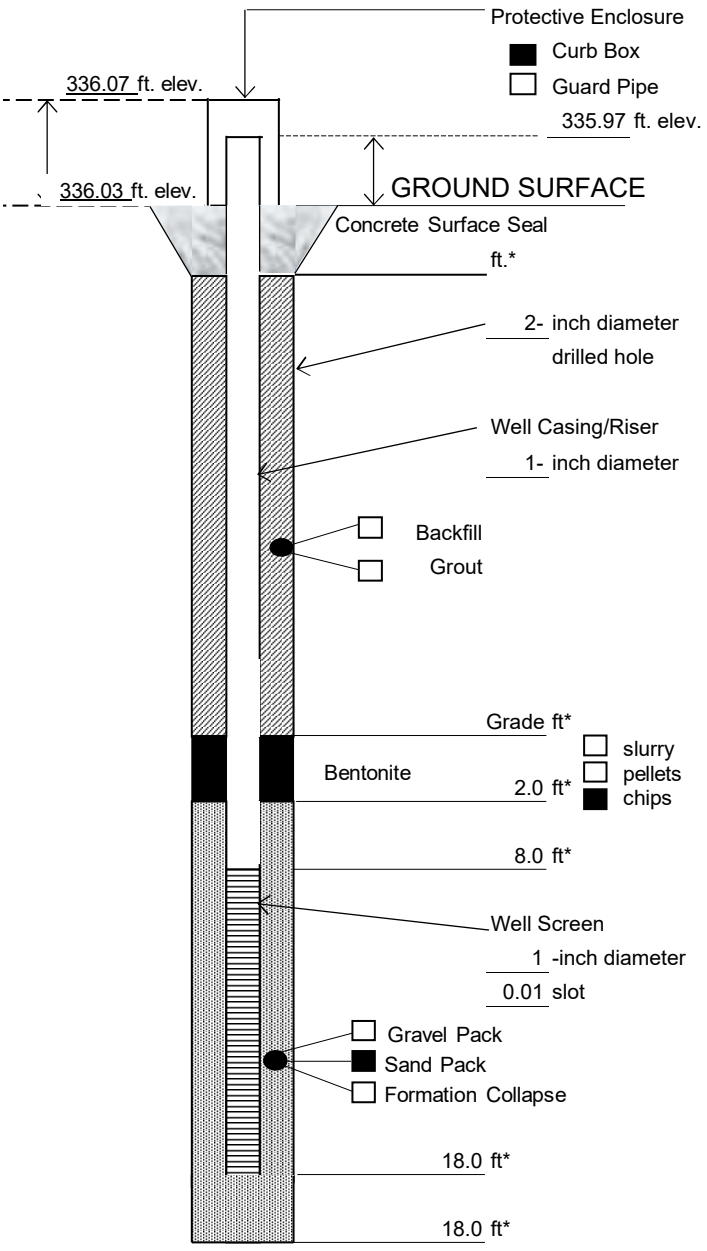
_____	Bags of Cement	(_____ lb. bags)
_____	Lbs. of Bentonite	
_____	Gallons of Water	
_____	Grout Batches	

Notes:

Well No. RAMW3

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Hamilton Hill II - Target Area 1 BCP Site
830 & 834 Albany Street

Project Number: 16.6334

Well No.: RAMW3 Boring No.: RAMW3

Town/City: City of Schenectady

County: Schenectady State: NY

Installation Date(s): 6/25/2020

Drilling Contractor: Precision Environmental Services, Inc.

Drilling Method: Direct Push

Water Depth From Top of Riser: 11.54 ft 6/25/2020 Date

C.T. Male Observer: Chris Ormsby

Materials Used:

0.5	Bags of Sand	(50	lb. bags)
	Sand Size: 1	Brand:	FilPro
0.1	Bags of Bentonite	(50	lb. bags)
	Brand:	Holeplug	
10	ft. of	0.01-Slot, 1-inch diameter	well screen
8	ft. of	1-inch diameter	well riser
0.5	Bags of Cement/Concrete	(80	lb. bags)
	Brand:	Quikrete	

Grout Mixture:

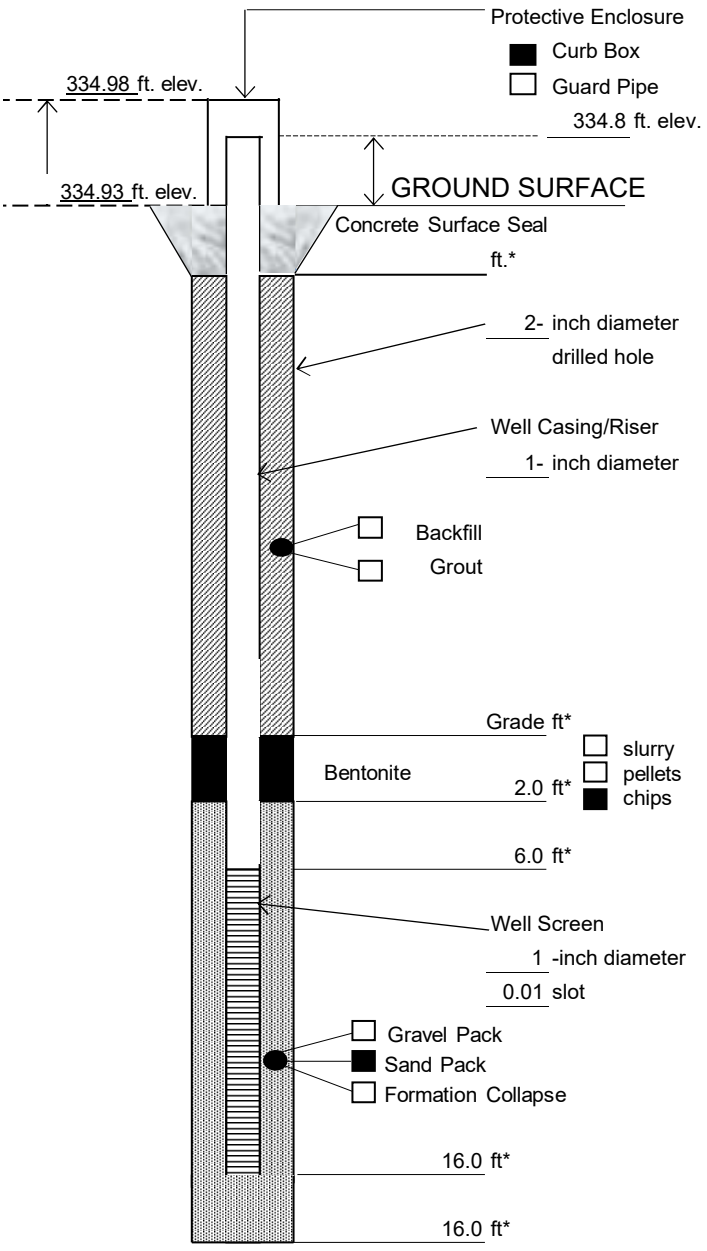
_____	Bags of Cement	(_____ lb. bags)
_____	Lbs. of Bentonite	
_____	Gallons of Water	
_____	Grout Batches	

Notes:

Well No. **RAMW4**

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Hamilton Hill II - Target Area 1 BCP Site
830 & 834 Albany Street

Project Number: 16.6334

Well No.: RAMW4 Boring No.: RAMW4

Town/City: City of Schenectady

County: Schenectady State: NY

Installation Date(s): 6/25/2020

Drilling Contractor: Precision Environmental Services, Inc.

Drilling Method: Direct Push

Water Depth From Top of Riser: 10.55 ft 6/25/2020 (Date)

C.T. Male Observer: Chris Ormsby

Materials Used:

0.5	Bags of Sand	(50	lb. bags)
	Sand Size: 1	Brand:	FilPro
0.1	Bags of Bentonite	(50	lb. bags)
	Brand:	Holeplug	
10	ft. of	0.01-Slot, 1-inch diameter	well screen
6	ft. of	1-inch diameter	well riser
0.5	Bags of Cement/Concrete	(80	lb. bags)
	Brand:	Quikrete	

Grout Mixture:

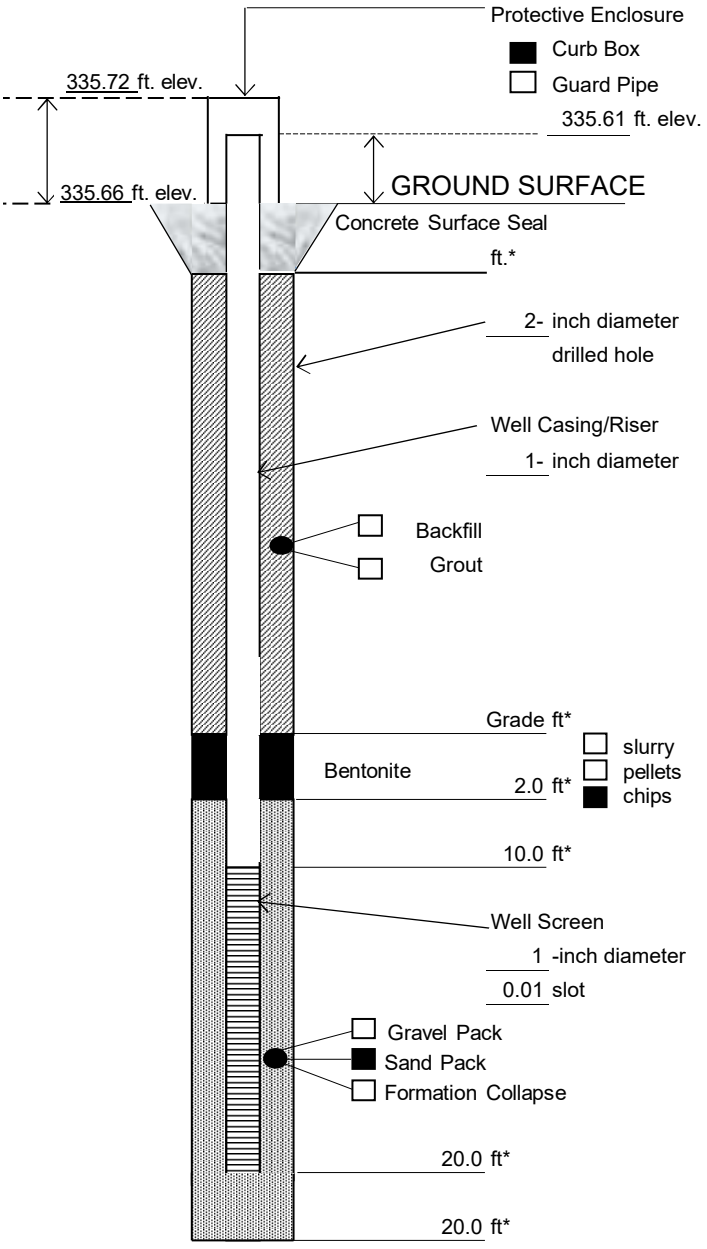
	Bags of Cement	(	lb. bags)
	Lbs. of Bentonite		
	Gallons of Water		
	Grout Batches		

Notes:

Well No. **RAMW5**

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Hamilton Hill II - Target Area 1 BCP Site
830 & 834 Albany Street

Project Number: 16.6334

Well No.: RAMW5 Boring No.: RAMW5

Town/City: City of Schenectady

County: Schenectady State: NY

Installation Date(s): 6/25/2020

Drilling Contractor: Precision Environmental Services, Inc.

Drilling Method: Direct Push

Water Depth From Top of Riser: 11.96 ft 6/25/2020 (Date)

C.T. Male Observer: Chris Ormsby

Materials Used:

0.5	Bags of Sand	(50	lb. bags)
	Sand Size: 1	Brand:	FilPro
0.1	Bags of Bentonite	(50	lb. bags)
	Brand:	Holeplug	
10	ft. of	0.01-Slot, 1-inch diameter	well screen
10	ft. of	1-inch diameter	well riser
0.5	Bags of Cement/Concrete	(80	lb. bags)
	Brand:	Quikrete	

Grout Mixture:

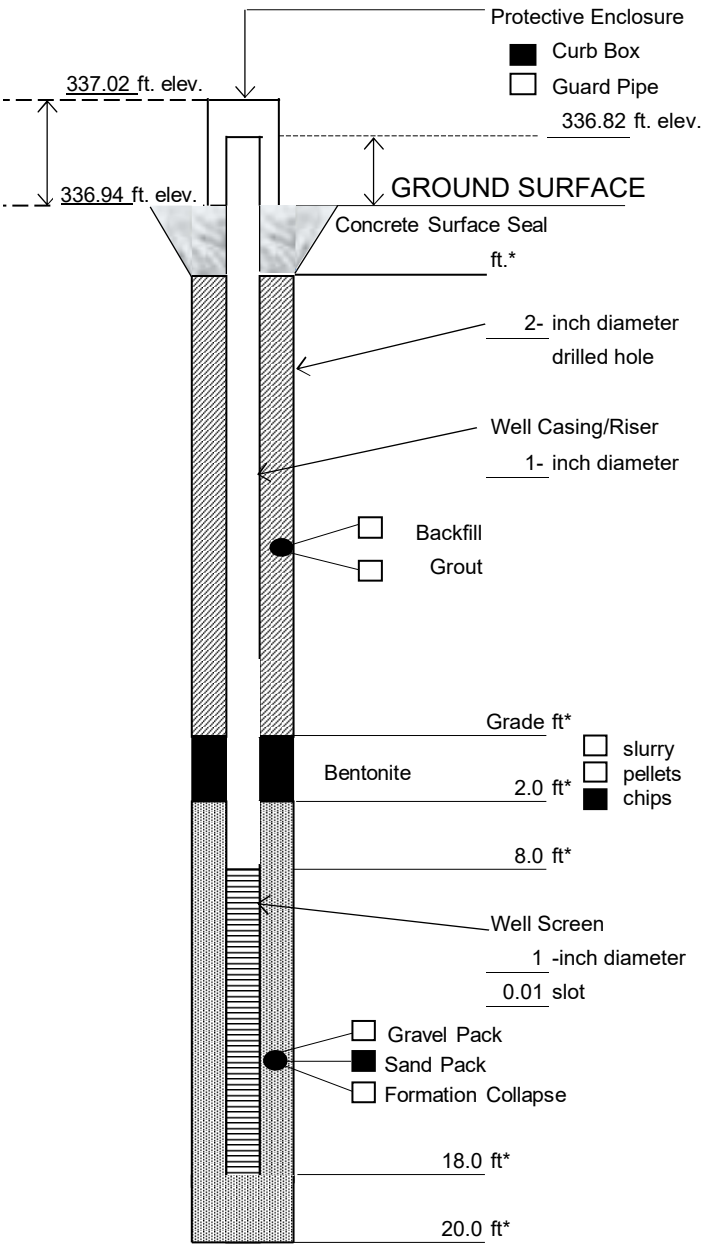
	Bags of Cement	(	lb. bags)
	Lbs. of Bentonite		
	Gallons of Water		
	Grout Batches		

Notes:

Well No. **RAMW6**

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Hamilton Hill II - Target Area 1 BCP Site
830 & 834 Albany Street

Project Number: 16.6334

Well No.: RAMW6 Boring No.: RAMW6

Town/City: City of Schenectady

County: Schenectady State: NY

Installation Date(s): 6/25/2020

Drilling Contractor: Precision Environmental Services, Inc.

Drilling Method: Direct Push

Water Depth From Top of Riser: 12.83 ft 6/25/2020 (Date)

C.T. Male Observer: Chris Ormsby

Materials Used:

0.5	Bags of Sand	(50	lb. bags)
	Sand Size: 1	Brand:	FilPro
0.1	Bags of Bentonite	(50	lb. bags)
	Brand:	Holeplug	
10	ft. of	0.01-Slot, 1-inch diameter	well screen
8	ft. of	1-inch diameter	well riser
0.5	Bags of Cement/Concrete	(80	lb. bags)
	Brand:	Quikrete	

Grout Mixture:

	Bags of Cement	(	lb. bags)
	Lbs. of Bentonite		
	Gallons of Water		
	Grout Batches		

Notes:

ATTACHMENT E

ANALYTICAL RESULTS SUMMARY TABLE

POST REMEDIAL ACTION GROUNDWATER SAMPLING ANALYTICAL RESULTS SUMMARY
HAMILTON HILL II - TARGET AREA 1 BCP SITE (C447052)
830 AND 834 ALBANY STREET
CITY AND COUNTY OF SCHENECTADY

		SAMPLE ID:	RAMW1-200630				RAMW2-200630				RAMW3-200630				RAMW4-200630				RAMW5-200630			
		LAB ID:	L2027725-04				L2027725-05				L2027725-06				L2027725-03				L2027725-01			
		COLLECTION DATE:	6/30/2020				6/30/2020				6/30/2020				6/30/2020				6/30/2020			
		SAMPLE MATRIX:	WATER				WATER				WATER				WATER				WATER			
		NY-AWQS[1]																				
ANALYTE	CAS	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																						
Acetone	67-64-1	50 (GV)	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Bromodichloromethane	75-27-4	50 (GV)	ND		0.5	0.19	0.46	J	0.5	0.19	0.69		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19
Chloroform	67-66-3	7	ND		2.5	0.7	2.8		2.5	0.7	1.7	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dibromochloromethane	124-48-1	50 (GV)	ND		0.5	0.15	0.26	J	0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15
Tetrachloroethene	127-18-4	5	**7.3**		**0.5**	**0.18**	4.4		0.5	0.18	**6.8**		**0.5**	**0.18**	**8.7**		**0.5**	**0.18**	1.4		0.5	0.18
Trichloroethene	79-01-6	5	3.2		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	0.59		0.5	0.18	ND		0.5	0.18
Total VOCs		NS	10.5	-	-	-	7.92	-	-	-	9.19	-	-	-	9.29	-	-	-	1.4	-	-	-
VOLATILE ORGANICS BY GC/MS-TIC																						
SEMIVOLATILE ORGANICS BY GC/MS																						
SEMIVOLATILE ORGANICS BY GC/MS-SIM																						
Anthracene	120-12-7	50 (GV)	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Fluoranthene	206-44-0	50 (GV)	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Fluorene	86-73-7	50 (GV)	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Hexachlorobenzene	118-74-1	0.04	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01
Phenanthrene	85-01-8	50 (GV)	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Total SVOCs		NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS-TIC																						
Unknown		NS	-		-	-	-		-	-	-		-	-	2.65	J	0	0	2.44	J	0	0
Unknown		NS	2.44	J	0	0	-		-	-	2.4	J	0	0	-	-	-	-	-	-	-	-
Unknown		NS	2.4	J	0	0	-		-	-	1.45	J	0	0	-	-	-	-	-	-	-	-
Unknown Organic Acic		NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds		NS	4.84	J	0	0	-		-	-	3.85	J	0	0	2.65	J	0	0	2.44	J	0	0

(1) New York Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values. June 1998 and Addendu
(GV) denotes Guidance Value
NS denotes No Standard
ND denotes Non-Detec
RL denotes the laboratory's Reporting Lim
MDL denotes the laboratory's Method Detection Lim
Qualifiers in parantheses reflect qualifications made by the data validat

POST REMEDIAL ACTION GROUNDWATER SAMPLING ANALYTICAL RESULTS SUMMARY
HAMILTON HILL II - TARGET AREA 1 BCP SITE (C447052)
830 AND 834 ALBANY STREET
CITY AND COUNTY OF SCHENECTADY

		SAMPLE ID:	RAMW6-200630				FD01-200630 (RAMW6-200630)				EB01-200630				TRIP BLANK-200630			
		LAB ID:	L2027725-02				L2027725-07				L2027725-08				L2027725-09			
		COLLECTION DATE:	6/30/2020				6/30/2020				6/30/2020				6/30/2020			
		SAMPLE MATRIX:	WATER				WATER				WATER				WATER			
		NY-AWQS[1]																
ANALYTE	CAS	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																		
Acetone	67-64-1	50 (GV)	ND		5	1.5	ND		5	1.5	3.8	J	5	1.5	ND		5	1.5
Bromodichloromethane	75-27-4	50 (GV)	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19
Chloroform	67-66-3	7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dibromochloromethane	124-48-1	50 (GV)	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15
Tetrachloroethene	127-18-4	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
Trichloroethene	79-01-6	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
Total VOCs		NS	-	-	-	-	-	-	-	-	3.8	-	-	-	-	-	-	-
VOLATILE ORGANICS BY GC/MS-TIC																		
SEMIVOLATILE ORGANICS BY GC/MS																		
SEMIVOLATILE ORGANICS BY GC/MS-SIM																		
Anthracene	120-12-7	50 (GV)	ND		0.1	0.01	ND		0.1	0.01	0.02	J	0.1	0.01	-	-	-	-
Fluoranthene	206-44-0	50 (GV)	ND		0.1	0.02	ND		0.1	0.02	0.01	(U)	0.1	0.02	-	-	-	-
Fluorene	86-73-7	50 (GV)	ND		0.1	0.01	ND		0.1	0.01	0.02	J	0.1	0.01	-	-	-	-
Hexachlorobenzene	118-74-1	0.04	ND		0.8	0.01	ND		0.8	0.01	0.03	J	0.8	0.01	-	-	-	-
Phenanthrene	85-01-8	50 (GV)	ND		0.1	0.02	ND		0.1	0.02	0.01	(U)	0.1	0.02	-	-	-	-
Total SVOCs		NS	-	-	-	-	-	-	-	-	0.12	-	-	-	-	-	-	
SEMIVOLATILE ORGANICS BY GC/MS-TIC																		
Unknown		NS	1.78	J	0	0	1.85	J	0	0	-		-	-	-	-	-	-
Unknown		NS	-	-	-	-	-		-	-	-		-	-	-	-	-	-
Unknown		NS	-	-	-	-	-		-	-	-		-	-	-	-	-	-
Unknown Organic Acic		NS	-	-	-	-	-	-	-	-	1.71	J	0	0	-	-	-	-
Total TIC Compounds		NS	1.78	J	0	0	1.85	J	0	0	1.71	J	0	0	-	-	-	-

(1) New York Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values. June 1998 and Addendu
(GV) denotes Guidance Value
NS denotes No Standard
ND denotes Non-Detect
RL denotes the laboratory's Reporting Lim
MDL denotes the laboratory's Method Detection Lim

ATTACHMENT F

ANALYTICAL REPORT

ANALYTICAL REPORT

Lab Number:	L2027725
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Aimee Smith
Phone:	(518) 786-7400
Project Name:	HHII TA1
Project Number:	16.6334
Report Date:	07/08/20

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: HHII TA1
Project Number: 16.6334

Lab Number: L2027725
Report Date: 07/08/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2027725-01	RAMW5-200630	WATER	SCHENECTADY NY	06/30/20 08:00	06/30/20
L2027725-02	RAMW6-200630	WATER	SCHENECTADY NY	06/30/20 08:35	06/30/20
L2027725-03	RAMW4-200630	WATER	SCHENECTADY NY	06/30/20 11:35	06/30/20
L2027725-04	RAMW1-200630	WATER	SCHENECTADY NY	06/30/20 11:50	06/30/20
L2027725-05	RAMW2-200630	WATER	SCHENECTADY NY	06/30/20 12:05	06/30/20
L2027725-06	RAMW3-200630	WATER	SCHENECTADY NY	06/30/20 12:55	06/30/20
L2027725-07	FD01-200630	WATER	SCHENECTADY NY	06/30/20 00:00	06/30/20
L2027725-08	EB01-200630	WATER	SCHENECTADY NY	06/30/20 13:05	06/30/20
L2027725-09	TRIP BLANK-200630	WATER	SCHENECTADY NY	06/30/20 00:00	06/30/20

Project Name:	HHII TA1	**Lab Number:**	L2027725
Project Number:	16.6334	**Report Date:**	07/08/20

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name: HHII TA1 **Lab Number:** L2027725
Project Number: 16.6334 **Report Date:** 07/08/20

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2027725-02: The collection date and time on the chain of custody was 30-JUN-20 08:35; however, the collection date and time on the container label was 30-JUN-20 09:20. At the client's request, the collection date and time is reported as 30-JUN-20 08:35.

Semivolatile Organics by SIM

The WG1388230-1 Method Blank, associated with L2027725-01 through -08, has a concentration above the reporting limit for Naphthalene. Since the samples were non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 07/08/20

ORGANICS

VOLATILES

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-01 Date Collected: 06/30/20 08:00
Client ID: RAMW5-200630 Date Received: 06/30/20
Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/05/20 16:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.4		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-01 Date Collected: 06/30/20 08:00

Client ID: RAMW5-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	101		70-130

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-02 Date Collected: 06/30/20 08:35
Client ID: RAMW6-200630 Date Received: 06/30/20
Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/05/20 16:39
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-02 Date Collected: 06/30/20 08:35

Client ID: RAMW6-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-03 Date Collected: 06/30/20 11:35
Client ID: RAMW4-200630 Date Received: 06/30/20
Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/05/20 17:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	8.7		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.59		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-03 Date Collected: 06/30/20 11:35

Client ID: RAMW4-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-04 Date Collected: 06/30/20 11:50
Client ID: RAMW1-200630 Date Received: 06/30/20
Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/05/20 17:30
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	7.3		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	3.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-04 Date Collected: 06/30/20 11:50

Client ID: RAMW1-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	102		70-130

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-05 Date Collected: 06/30/20 12:05
Client ID: RAMW2-200630 Date Received: 06/30/20
Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/05/20 17:56
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	2.8		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	0.26	J	ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	4.4		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.46	J	ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-05 Date Collected: 06/30/20 12:05

Client ID: RAMW2-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	103		70-130

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-06 Date Collected: 06/30/20 12:55
Client ID: RAMW3-200630 Date Received: 06/30/20
Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/05/20 18:21
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.7	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	6.8		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.69		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-06 Date Collected: 06/30/20 12:55

Client ID: RAMW3-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	99		70-130

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-07
Client ID: FD01-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 00:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/05/20 18:46
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-07 Date Collected: 06/30/20 00:00

Client ID: FD01-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-08 Date Collected: 06/30/20 13:05
Client ID: EB01-200630 Date Received: 06/30/20
Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/05/20 15:49
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-08 Date Collected: 06/30/20 13:05

Client ID: EB01-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	102		70-130

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-09 Date Collected: 06/30/20 00:00
Client ID: TRIP BLANK-200630 Date Received: 06/30/20
Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/05/20 15:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-09 Date Collected: 06/30/20 00:00

Client ID: TRIP BLANK-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	102		70-130

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/05/20 14:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1389227-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/05/20 14:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1389227-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/05/20 14:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1389227-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: HHII TA1
Project Number: 16.6334

Lab Number: L2027725
Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1389227-3 WG1389227-4								
Methylene chloride	92		90		70-130	2		20
1,1-Dichloroethane	95		94		70-130	1		20
Chloroform	97		92		70-130	5		20
Carbon tetrachloride	96		91		63-132	5		20
1,2-Dichloropropane	92		90		70-130	2		20
Dibromochloromethane	88		87		63-130	1		20
1,1,2-Trichloroethane	86		90		70-130	5		20
Tetrachloroethene	93		94		70-130	1		20
Chlorobenzene	88		90		75-130	2		20
Trichlorofluoromethane	98		96		62-150	2		20
1,2-Dichloroethane	94		94		70-130	0		20
1,1,1-Trichloroethane	99		96		67-130	3		20
Bromodichloromethane	92		91		67-130	1		20
trans-1,3-Dichloropropene	93		91		70-130	2		20
cis-1,3-Dichloropropene	93		91		70-130	2		20
Bromoform	84		86		54-136	2		20
1,1,2,2-Tetrachloroethane	82		84		67-130	2		20
Benzene	90		88		70-130	2		20
Toluene	92		91		70-130	1		20
Ethylbenzene	91		91		70-130	0		20
Chloromethane	81		82		64-130	1		20
Bromomethane	82		63		39-139	**26**	Q	20
Vinyl chloride	82		78		55-140	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HHII TA1

Project Number: 16.6334

Lab Number: L2027725

Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1389227-3 WG1389227-4								
Chloroethane	86		85		55-138	1		20
1,1-Dichloroethene	94		94		61-145	0		20
trans-1,2-Dichloroethene	94		93		70-130	1		20
Trichloroethene	89		86		70-130	3		20
1,2-Dichlorobenzene	88		90		70-130	2		20
1,3-Dichlorobenzene	88		91		70-130	3		20
1,4-Dichlorobenzene	89		91		70-130	2		20
Methyl tert butyl ether	87		87		63-130	0		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	92		90		70-130	2		20
Styrene	85		90		70-130	6		20
Dichlorodifluoromethane	73		75		36-147	3		20
Acetone	86		81		58-148	6		20
Carbon disulfide	93		91		51-130	2		20
2-Butanone	82		87		63-138	6		20
4-Methyl-2-pentanone	84		86		59-130	2		20
2-Hexanone	87		88		57-130	1		20
Bromochloromethane	94		94		70-130	0		20
1,2-Dibromoethane	85		85		70-130	0		20
1,2-Dibromo-3-chloropropane	79		81		41-144	3		20
Isopropylbenzene	93		96		70-130	3		20
1,2,3-Trichlorobenzene	77		85		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HHII TA1

Project Number: 16.6334

Lab Number: L2027725

Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1389227-3 WG1389227-4								
1,2,4-Trichlorobenzene	81		87		70-130	7		20
Methyl Acetate	84		86		70-130	2		20
Cyclohexane	98		96		70-130	2		20
1,4-Dioxane	82		90		56-162	9		20
Freon-113	100		96		70-130	4		20
Methyl cyclohexane	96		95		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		110		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	111		108		70-130
Dibromofluoromethane	103		103		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: HHII TA1

Project Number: 16.6334

Lab Number: L2027725

Report Date: 07/08/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1389227-6 WG1389227-7 QC Sample: L2027725-01 Client ID: RAMW5-200630												
Methylene chloride	ND	10	8.6	86		10	100		70-130	15		20
1,1-Dichloroethane	ND	10	9.0	90		11	110		70-130	20		20
Chloroform	ND	10	9.3	93		11	110		70-130	17		20
Carbon tetrachloride	ND	10	8.6	86		11	110		63-132	**24**	Q	20
1,2-Dichloropropane	ND	10	8.8	88		10	100		70-130	13		20
Dibromochloromethane	ND	10	8.0	80		10	100		63-130	**22**	Q	20
1,1,2-Trichloroethane	ND	10	8.3	83		9.9	99		70-130	18		20
Tetrachloroethene	1.4	10	9.6	82		12	106		70-130	**22**	Q	20
Chlorobenzene	ND	10	8.4	84		10	100		75-130	17		20
Trichlorofluoromethane	ND	10	9.0	90		12	120		62-150	**29**	Q	20
1,2-Dichloroethane	ND	10	8.9	89		11	110		70-130	**21**	Q	20
1,1,1-Trichloroethane	ND	10	9.2	92		11	110		67-130	18		20
Bromodichloromethane	ND	10	8.7	87		11	110		67-130	**23**	Q	20
trans-1,3-Dichloropropene	ND	10	8.1	81		10	100		70-130	**21**	Q	20
cis-1,3-Dichloropropene	ND	10	8.1	81		9.9	99		70-130	20		20
Bromoform	ND	10	7.8	78		9.5	95		54-136	20		20
1,1,2,2-Tetrachloroethane	ND	10	7.7	77		9.6	96		67-130	**22**	Q	20
Benzene	ND	10	8.5	85		10	100		70-130	16		20
Toluene	ND	10	8.6	86		11	110		70-130	**24**	Q	20
Ethylbenzene	ND	10	8.2	82		11	110		70-130	**29**	Q	20
Chloromethane	ND	10	8.2	82		10	100		64-130	20		20
Bromomethane	ND	10	4.8	48		7.2	72		39-139	**40**	Q	20
Vinyl chloride	ND	10	7.9	79		10	100		55-140	**23**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: HHII TA1
Project Number: 16.6334
Lab Number: L2027725
Report Date: 07/08/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1389227-6 WG1389227-7 QC Sample: L2027725-01 Client ID: RAMW5-200630												
Chloroethane	ND	10	8.8	88		10	100		55-138	13		20
1,1-Dichloroethene	ND	10	9.0	90		11	110		61-145	20		20
trans-1,2-Dichloroethene	ND	10	8.9	89		11	110		70-130	**21**	Q	20
Trichloroethene	ND	10	8.1	81		10	100		70-130	**21**	Q	20
1,2-Dichlorobenzene	ND	10	8.0	80		10	100		70-130	**22**	Q	20
1,3-Dichlorobenzene	ND	10	7.8	78		10	100		70-130	**25**	Q	20
1,4-Dichlorobenzene	ND	10	7.7	77		10	100		70-130	**26**	Q	20
Methyl tert butyl ether	ND	10	8.2	82		9.9	99		63-130	19		20
p/m-Xylene	ND	20	16	80		21	105		70-130	**27**	Q	20
o-Xylene	ND	20	16	80		21	105		70-130	**27**	Q	20
cis-1,2-Dichloroethene	ND	10	8.6	86		10	100		70-130	15		20
Styrene	ND	20	16	80		20	100		70-130	**22**	Q	20
Dichlorodifluoromethane	ND	10	6.1	61		8.5	85		36-147	**33**	Q	20
Acetone	ND	10	8.3	83		10	100		58-148	19		20
Carbon disulfide	ND	10	8.5	85		11	110		51-130	**26**	Q	20
2-Butanone	ND	10	7.3	73		9.1	91		63-138	**22**	Q	20
4-Methyl-2-pentanone	ND	10	8.2	82		9.6	96		59-130	16		20
2-Hexanone	ND	10	8.1	81		10	100		57-130	**21**	Q	20
Bromochloromethane	ND	10	9.6	96		10	100		70-130	4		20
1,2-Dibromoethane	ND	10	8.4	84		9.9	99		70-130	16		20
1,2-Dibromo-3-chloropropane	ND	10	7.6	76		9.3	93		41-144	20		20
Isopropylbenzene	ND	10	8.3	83		11	110		70-130	**28**	Q	20
1,2,3-Trichlorobenzene	ND	10	6.9	**69**	Q	9.6	96		70-130	**33**	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: HHII TA1

Project Number: 16.6334

Lab Number: L2027725

Report Date: 07/08/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1389227-6 WG1389227-7 QC Sample: L2027725-01 Client ID: RAMW5-200630												
1,2,4-Trichlorobenzene	ND	10	6.8	**68**	Q	9.9	99		70-130	**37**	Q	20
Methyl Acetate	ND	10	7.6	76		8.8	88		70-130	15		20
Cyclohexane	ND	10	8.7J	87		11	110		70-130	**23**	Q	20
1,4-Dioxane	ND	500	420	84		470	94		56-162	11		20
Freon-113	ND	10	8.1	81		11	110		70-130	**30**	Q	20
Methyl cyclohexane	ND	10	7.6J	76		11	110		70-130	**37**	Q	20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		111		70-130
4-Bromofluorobenzene	105		105		70-130
Dibromofluoromethane	103		103		70-130
Toluene-d8	105		105		70-130

SEMIVOLATILES

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-01
Client ID: RAMW5-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 08:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 18:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-01 Date Collected: 06/30/20 08:00

Client ID: RAMW5-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1
Tentatively Identified Compounds						
Total TIC Compounds	2.44	J	ug/l			1
Unknown	2.44	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	73		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-01
Client ID: RAMW5-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 08:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/02/20 19:37
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-01 Date Collected: 06/30/20 08:00

Client ID: RAMW5-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	112		10-120
4-Terphenyl-d14	116		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-02
Client ID: RAMW6-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 08:35
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 20:31
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-02 Date Collected: 06/30/20 08:35

Client ID: RAMW6-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1
Tentatively Identified Compounds						
Total TIC Compounds	1.78	J	ug/l			1
Unknown	1.78	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	77		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-02
Client ID: RAMW6-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 08:35
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/02/20 19:57
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-02 Date Collected: 06/30/20 08:35

Client ID: RAMW6-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	117		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-03
Client ID: RAMW4-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 11:35
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 20:54
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-03 Date Collected: 06/30/20 11:35

Client ID: RAMW4-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1
Tentatively Identified Compounds						
Total TIC Compounds	2.65	J	ug/l			1
Unknown	2.65	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	74		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-03
Client ID: RAMW4-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 11:35
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/02/20 20:16
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-03 Date Collected: 06/30/20 11:35

Client ID: RAMW4-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	**123**	Q	10-120
4-Terphenyl-d14	120		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-04
Client ID: RAMW1-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 11:50
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 21:18
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-04 Date Collected: 06/30/20 11:50

Client ID: RAMW1-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1
Tentatively Identified Compounds						
Total TIC Compounds	4.84	J	ug/l			1
Unknown	2.44	J	ug/l			1
Unknown	2.40	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	71		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-04
Client ID: RAMW1-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 11:50
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/02/20 20:36
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-04 Date Collected: 06/30/20 11:50

Client ID: RAMW1-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	116		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-05
Client ID: RAMW2-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 12:05
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 21:41
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-05 Date Collected: 06/30/20 12:05

Client ID: RAMW2-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	69		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-05
Client ID: RAMW2-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 12:05
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/02/20 20:56
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-05 Date Collected: 06/30/20 12:05

Client ID: RAMW2-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	114		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-06
Client ID: RAMW3-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 12:55
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 22:05
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-06 Date Collected: 06/30/20 12:55

Client ID: RAMW3-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1
Tentatively Identified Compounds						
Total TIC Compounds	3.85	J	ug/l			1
Unknown	2.40	J	ug/l			1
Unknown	1.45	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	46		10-120
4-Terphenyl-d14	61		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-06
Client ID: RAMW3-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 12:55
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/02/20 21:15
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-06 Date Collected: 06/30/20 12:55

Client ID: RAMW3-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	95		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-07
Client ID: FD01-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 00:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 22:29
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-07 Date Collected: 06/30/20 00:00

Client ID: FD01-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1
Tentatively Identified Compounds						
Total TIC Compounds	1.85	J	ug/l			1
Unknown	1.85	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	73		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-07
Client ID: FD01-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 00:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/02/20 21:35
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-07 Date Collected: 06/30/20 00:00

Client ID: FD01-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	117		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-08
Client ID: EB01-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 13:05
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 22:52
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-08 Date Collected: 06/30/20 13:05

Client ID: EB01-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1
Tentatively Identified Compounds						
Total TIC Compounds	1.71	J	ug/l			1
Unknown Organic Acid	1.71	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	72		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-08
Client ID: EB01-200630
Sample Location: SCHENECTADY NY

Date Collected: 06/30/20 13:05
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/02/20 21:55
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	0.03	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

SAMPLE RESULTS

Lab ID: L2027725-08 Date Collected: 06/30/20 13:05

Client ID: EB01-200630 Date Received: 06/30/20

Sample Location: SCHENECTADY NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	118		10-120
4-Terphenyl-d14	122		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/02/20 15:07
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1388229-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/02/20 15:07
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1388229-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Tentatively Identified Compounds

Total TIC Compounds	5.27	J	ug/l
Unknown	3.09	J	ug/l
Unknown	2.18	J	ug/l

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/02/20 15:07
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1388229-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	78		41-149

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 07/02/20 18:37
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08 Batch: WG1388230-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.28		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	0.02	J	ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	0.02	J	ug/l	0.10	0.01
Phenanthrene	0.05	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	0.02	J	ug/l	0.10	0.02
2-Methylnaphthalene	0.02	J	ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: HHII TA1 **Lab Number:** L2027725

Project Number: 16.6334 **Report Date:** 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 07/02/20 18:37
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08 Batch: WG1388230-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	**126**	Q	10-120
4-Terphenyl-d14	123		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: HHII TA1
Project Number: 16.6334

Lab Number: L2027725
Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1388229-2 WG1388229-3								
Bis(2-chloroethyl)ether	67		65		40-140	3		30
3,3'-Dichlorobenzidine	50		47		40-140	6		30
2,4-Dinitrotoluene	69		68		48-143	1		30
2,6-Dinitrotoluene	64		62		40-140	3		30
4-Chlorophenyl phenyl ether	59		58		40-140	2		30
4-Bromophenyl phenyl ether	56		52		40-140	7		30
Bis(2-chloroisopropyl)ether	80		77		40-140	4		30
Bis(2-chloroethoxy)methane	62		61		40-140	2		30
Hexachlorocyclopentadiene	53		54		40-140	2		30
Isophorone	66		64		40-140	3		30
Nitrobenzene	77		75		40-140	3		30
NDPA/DPA	59		57		40-140	3		30
n-Nitrosodi-n-propylamine	73		71		29-132	3		30
Bis(2-ethylhexyl)phthalate	70		68		40-140	3		30
Butyl benzyl phthalate	69		63		40-140	9		30
Di-n-butylphthalate	61		58		40-140	5		30
Di-n-octylphthalate	76		72		40-140	5		30
Diethyl phthalate	64		62		40-140	3		30
Dimethyl phthalate	57		54		40-140	5		30
Biphenyl	62		61		40-140	2		30
4-Chloroaniline	**35**	Q	**36**	Q	40-140	3		30
2-Nitroaniline	65		61		52-143	6		30
3-Nitroaniline	51		50		25-145	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: HHII TA1
Project Number: 16.6334

Lab Number: L2027725
Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1388229-2 WG1388229-3								
4-Nitroaniline	**48**	Q	**47**	Q	51-143	2		30
Dibenzofuran	61		59		40-140	3		30
1,2,4,5-Tetrachlorobenzene	57		57		2-134	0		30
Acetophenone	66		64		39-129	3		30
2,4,6-Trichlorophenol	58		56		30-130	4		30
p-Chloro-m-cresol	63		60		23-97	5		30
2-Chlorophenol	67		64		27-123	5		30
2,4-Dichlorophenol	65		62		30-130	5		30
2,4-Dimethylphenol	48		44		30-130	9		30
2-Nitrophenol	82		79		30-130	4		30
4-Nitrophenol	45		43		10-80	5		30
2,4-Dinitrophenol	75		72		20-130	4		30
4,6-Dinitro-o-cresol	78		77		20-164	1		30
Phenol	50		48		12-110	4		30
3-Methylphenol/4-Methylphenol	66		64		30-130	3		30
2,4,5-Trichlorophenol	60		56		30-130	7		30
Carbazole	59		57		55-144	3		30
Atrazine	63		60		40-140	5		30
Benzaldehyde	61		62		40-140	2		30
Caprolactam	38		37		10-130	3		30
2,3,4,6-Tetrachlorophenol	59		56		40-140	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HHII TA1

Project Number: 16.6334

Lab Number: L2027725

Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1388229-2 WG1388229-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		59		21-120
Phenol-d6	52		52		10-120
Nitrobenzene-d5	84		85		23-120
2-Fluorobiphenyl	55		55		15-120
2,4,6-Tribromophenol	59		57		10-120
4-Terphenyl-d14	58		55		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: HHII TA1
Project Number: 16.6334

Lab Number: L2027725
Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 Batch: WG1388230-2 WG1388230-3								
Acenaphthene	70		77		40-140	10		40
2-Chloronaphthalene	66		72		40-140	9		40
Fluoranthene	86		92		40-140	7		40
Hexachlorobutadiene	59		64		40-140	8		40
Naphthalene	61		67		40-140	9		40
Benzo(a)anthracene	87		89		40-140	2		40
Benzo(a)pyrene	92		100		40-140	8		40
Benzo(b)fluoranthene	86		92		40-140	7		40
Benzo(k)fluoranthene	82		90		40-140	9		40
Chrysene	76		84		40-140	10		40
Acenaphthylene	81		89		40-140	9		40
Anthracene	83		90		40-140	8		40
Benzo(ghi)perylene	91		98		40-140	7		40
Fluorene	74		80		40-140	8		40
Phenanthrene	71		78		40-140	9		40
Dibenzo(a,h)anthracene	107		112		40-140	5		40
Indeno(1,2,3-cd)pyrene	108		115		40-140	6		40
Pyrene	86		93		40-140	8		40
2-Methylnaphthalene	66		72		40-140	9		40
Pentachlorophenol	97		106		40-140	9		40
Hexachlorobenzene	67		73		40-140	9		40
Hexachloroethane	61		66		40-140	8		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: HHII TA1
Project Number: 16.6334

Lab Number: L2027725
Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 Batch: WG1388230-2 WG1388230-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		64		21-120
Phenol-d6	52		57		10-120
Nitrobenzene-d5	80		88		23-120
2-Fluorobiphenyl	69		75		15-120
2,4,6-Tribromophenol	104		111		10-120
4-Terphenyl-d14	102		109		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: HHII TA1
Project Number: 16.6334
Lab Number: L2027725
Report Date: 07/08/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1388229-4 WG1388229-5 QC Sample: L2027725-01 Client ID: RAMW5-200630												
Bis(2-chloroethyl)ether	ND	18.2	11	61		15	83		40-140	**31**	Q	30
3,3'-Dichlorobenzidine	ND	18.2	8.3	46		11	61		40-140	28		30
2,4-Dinitrotoluene	ND	18.2	13	72		19	100		48-143	**38**	Q	30
2,6-Dinitrotoluene	ND	18.2	12	66		18	99		40-140	**40**	Q	30
4-Chlorophenyl phenyl ether	ND	18.2	10	55		15	83		40-140	**40**	Q	30
4-Bromophenyl phenyl ether	ND	18.2	9.6	53		14	77		40-140	**37**	Q	30
Bis(2-chloroisopropyl)ether	ND	18.2	14	77		20	110		40-140	**35**	Q	30
Bis(2-chloroethoxy)methane	ND	18.2	11	61		16	88		40-140	**37**	Q	30
Hexachlorocyclopentadiene	ND	18.2	9.6J	53		14.J	77		40-140	**37**	Q	30
Isophorone	ND	18.2	12	66		17	94		40-140	**34**	Q	30
Nitrobenzene	ND	18.2	14	77		19	100		40-140	30		30
NDPA/DPA	ND	18.2	10	55		16	88		40-140	**46**	Q	30
n-Nitrosodi-n-propylamine	ND	18.2	13	72		18	99		29-132	**32**	Q	30
Bis(2-ethylhexyl)phthalate	ND	18.2	13	72		20	110		40-140	**42**	Q	30
Butyl benzyl phthalate	ND	18.2	12	66		19	100		40-140	**45**	Q	30
Di-n-butylphthalate	ND	18.2	11	61		17	94		40-140	**43**	Q	30
Di-n-octylphthalate	ND	18.2	14	77		20	110		40-140	**35**	Q	30
Diethyl phthalate	ND	18.2	12	66		18	99		40-140	**40**	Q	30
Dimethyl phthalate	ND	18.2	10	55		15	83		40-140	**40**	Q	30
Biphenyl	ND	18.2	11	61		16	88		40-140	**37**	Q	30
4-Chloroaniline	ND	18.2	6.6	**36**	Q	8.2	45		40-140	22		30
2-Nitroaniline	ND	18.2	12	66		18	99		52-143	**40**	Q	30
3-Nitroaniline	ND	18.2	9.6	53		13	72		25-145	30		30

Matrix Spike Analysis
Batch Quality Control

Project Name: HHII TA1
Project Number: 16.6334
Lab Number: L2027725
Report Date: 07/08/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1388229-4 WG1388229-5 QC Sample: L2027725-01 Client ID: RAMW5-200630												
4-Nitroaniline	ND	18.2	9.1	**50**	Q	13	72		51-143	**35**	Q	30
Dibenzofuran	ND	18.2	10	55		15	83		40-140	**40**	Q	30
1,2,4,5-Tetrachlorobenzene	ND	18.2	10	55		14	77		2-134	**33**	Q	30
Acetophenone	ND	18.2	12	66		17	94		39-129	**34**	Q	30
2,4,6-Trichlorophenol	ND	18.2	10	55		15	83		30-130	**40**	Q	30
p-Chloro-m-cresol	ND	18.2	11	61		17	94		23-97	**43**	Q	30
2-Chlorophenol	ND	18.2	12	66		16	88		27-123	29		30
2,4-Dichlorophenol	ND	18.2	12	66		17	94		30-130	**34**	Q	30
2,4-Dimethylphenol	ND	18.2	9.4	52		13	72		30-130	**32**	Q	30
2-Nitrophenol	ND	18.2	14	77		21	120		30-130	**40**	Q	30
4-Nitrophenol	ND	18.2	11	61		19	**100**	Q	10-80	**53**	Q	30
2,4-Dinitrophenol	ND	18.2	15.J	83		22	120		20-130	**38**	Q	30
4,6-Dinitro-o-cresol	ND	18.2	14	77		21	120		20-164	**40**	Q	30
Phenol	ND	18.2	9.2	51		13	72		12-110	**34**	Q	30
3-Methylphenol/4-Methylphenol	ND	18.2	12	66		17	94		30-130	**34**	Q	30
2,4,5-Trichlorophenol	ND	18.2	11	61		16	88		30-130	**37**	Q	30
Carbazole	ND	18.2	10	55		16	88		55-144	**46**	Q	30
Atrazine	ND	18.2	11	61		17	94		40-140	**43**	Q	30
Benzaldehyde	ND	18.2	11	61		16	88		40-140	**37**	Q	30
Caprolactam	ND	18.2	7.4J	41		10	55		10-130	30		30
2,3,4,6-Tetrachlorophenol	ND	18.2	10	55		16	88		40-140	**46**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: HHII TA1 ***Lab Number:*** L2027725

Project Number: 16.6334 ***Report Date:*** 07/08/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1388229-4 WG1388229-5 QC Sample: L2027725-01 Client ID: RAMW5-200630												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	54		85		10-120
2-Fluorobiphenyl	54		79		15-120
2-Fluorophenol	57		81		21-120
4-Terphenyl-d14	51		85		41-149
Nitrobenzene-d5	83		119		23-120
Phenol-d6	52		74		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: HHII TA1
Project Number: 16.6334
Lab Number: L2027725
Report Date: 07/08/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1388230-4 WG1388230-5 QC Sample: L2027725-01 Client ID: RAMW5-200630												
Acenaphthene	ND	18.2	10	55		13	72		40-140	26		40
2-Chloronaphthalene	ND	18.2	12	66		14	77		40-140	15		40
Fluoranthene	ND	18.2	12	66		15	83		40-140	22		40
Hexachlorobutadiene	ND	18.2	10	55		12	66		40-140	18		40
Naphthalene	ND	18.2	10	55		12	66		40-140	18		40
Benzo(a)anthracene	ND	18.2	12	66		15	83		40-140	22		40
Benzo(a)pyrene	ND	18.2	12	66		16	88		40-140	29		40
Benzo(b)fluoranthene	ND	18.2	11	61		14	77		40-140	24		40
Benzo(k)fluoranthene	ND	18.2	11	61		15	83		40-140	31		40
Chrysene	ND	18.2	9.7	53		13	72		40-140	29		40
Acenaphthylene	ND	18.2	14	77		16	88		40-140	13		40
Anthracene	ND	18.2	12	66		15	83		40-140	22		40
Benzo(ghi)perylene	ND	18.2	11	61		14	77		40-140	24		40
Fluorene	ND	18.2	11	61		14	77		40-140	24		40
Phenanthrene	ND	18.2	9.6	53		12	66		40-140	22		40
Dibenzo(a,h)anthracene	ND	18.2	13	72		19	100		40-140	38		40
Indeno(1,2,3-cd)pyrene	ND	18.2	14	77		17	94		40-140	19		40
Pyrene	ND	18.2	12	66		15	83		40-140	22		40
2-Methylnaphthalene	ND	18.2	11	61		14	77		40-140	24		40
Pentachlorophenol	ND	18.2	12	66		16	88		40-140	29		40
Hexachlorobenzene	ND	18.2	9.7	53		12	66		40-140	21		40
Hexachloroethane	ND	18.2	11	61		13	72		40-140	17		40

Matrix Spike Analysis

Batch Quality Control

Project Name: HHII TA1 ***Lab Number:*** L2027725

Project Number: 16.6334 ***Report Date:*** 07/08/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1388230-4 WG1388230-5 QC Sample: L2027725-01 Client ID: RAMW5-200630												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	88		116		10-120
2-Fluorobiphenyl	63		77		15-120
2-Fluorophenol	57		67		21-120
4-Terphenyl-d14	71		94		41-149
Nitrobenzene-d5	79		94		23-120
Phenol-d6	54		64		10-120

Project Name: HHII TA1
Project Number: 16.6334

Lab Number: L2027725
Report Date: 07/08/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2027725-01A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-01B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-01C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-01D	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-01E	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-01F	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-01G	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-01H	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-01J	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-01K	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-01L	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-01M	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-01N	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-01P	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-01Q	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-02A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-02B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-02C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-02D	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-02E	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-03A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-03B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-03C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2027725-03D	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-03E	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-04A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-04B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-04C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-04D	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-04E	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-05A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-05B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-05C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-05D	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-05E	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-06A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-06B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-06C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-06D	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-06E	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-07A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-07B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-07C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-07D	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-07E	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-08A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-08B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-08C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2027725-08D	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-08E	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2027725-09A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: HHII TA1
Project Number: 16.6334

Lab Number: L2027725
Report Date: 07/08/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2027725-09B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	HHII TA1	**Lab Number:**	L2027725
Project Number:	16.6334	**Report Date:**	07/08/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	HHII TA1	**Lab Number:**	L2027725
Project Number:	16.6334	**Report Date:**	07/08/20

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

Terms

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

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

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

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

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

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

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

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

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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

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

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	HHII TA1	**Lab Number:**	L2027725
Project Number:	16.6334	**Report Date:**	07/08/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	HHII TA1	**Lab Number:**	L2027725
Project Number:	16.6334	**Report Date:**	07/08/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/30/20

ALPHA Job #: L2027725

Client Information
Client: C.T. Male Associates
Address: 50 Century Hill Dr
Latham, NY 12110
Phone: 518 786 7400
Fax: email J.Manzo CTMale.com
Email: sbehet@ctmale.com

Project Information
Project Name: MH II TA1
Project Location: Schenectady NY
Project # 106334
(Use Project name as Project #) ☐
Project Manager: Aimee Smith
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TCL VOCs STIC | TCL SVOCs STIC

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs STIC	TCL SVOCs STIC	Sample Specific Comments	Total Bottle
27725-01	FAMW5-200630	6/30/20	0820	GW	KC	X	X	MS/MSD	15
02	FAMW6-200630		0835		KC	X	X		5
03	FAMW4-200630		1135		KC	X	X		5
04	FAMW1-200630		1150		KC	X	X		5
05	FAMW2-200630		1205		KC	X	X		5
06	FAMW3-200630		1255		KC	X	X		5
07	FD1-200630		—	↓	KC	X	X		5
08	EB1-200630		1325	water	KC	X	X		5
09	Trip Blank-200630	↓	—	water	KC	X			2

Container Type: V A
Preservative: B A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	6/30/20 1410	Robert Haines ATL	6-30-20 14:10
Robert Haines	6-30-20		6/30/20 14:20
	6/30/20 1815		6/30/20 0815

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ATTACHMENT G

DATA USABILITY SUMMARY REPORT

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
HAMILTON HILL, SCHENECTADY, NEW YORK

Client: C.T. Male Associates, Latham, New York
SDG: L2027725
Laboratory: Alpha Analytical, Westborough, Massachusetts
Site: Hamilton Hill II TA-1, Schenectady, New York
Date: June 14, 2020

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	RAMW5-200630	L2027725-01	Water
1MS**	RAMW5-200630MS	L2027725-01MS	Water
1MSD**	RAMW5-200630MSD	L2027725-01MSD	Water
2	RAMW6-200630	L2027725-02	Water
3	RAMW4-200630	L2027725-03	Water
4	RAMW1-200630	L2027725-04	Water
5	RAMW2-200630	L2027725-05	Water
6	RAMW3-200630	L2027725-06	Water
7	FD01-200630	L2027725-07	Water
8	EB01-200630	L2027725-08	Water
9*	TRIP BLANK-200630	L2027725-09	Water

* - VOC only ** - VOC & SVOC only

A Data Usability Summary Review was performed on the analytical data for seven water samples, one aqueous equipment blank sample, and one aqueous trip blank sample collected on June 30, 2020 by CT Male at the Hamilton Hill II-TA1 site in Schenectady, New York. The samples were analyzed under Environmental Protection Agency (USEPA) "Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".

Specific method references are as follows:

Analysis	*Method References*
VOCs	USEPA SW-846 Method 8260C
SVOCs	USEPA SW-846 Method 8270D
PAH	USEPA SW-846 Method 8270D-SIM

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- SOP Number HW-35A, Revision 1, September 2016: Semivolatile Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

MS/MSD Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
1	1,2,3-Trichlorobenzene	69%/OK/33	UJ
	1,2,4-Trichlorobenzene	68%/OK/37	UJ
	28 Compounds	OK/OK/High	None for RPD alone

Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of acetone, 2-butanone and methylene chloride (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB01-200630	Acetone	3.8	None	All Associated ND
TRIP BLANK-200630	None - ND	-	-	-

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
07/05/20 (1316)	Bromomethane	36.8%	UJ	All Samples

Compound Quantitation

- All criteria were met.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Tentatively Identified Compounds (TICs)

- TICs were not detected.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	RAMW6-200630 ug/L	FD01-200630 ug/L	RPD	Qualifier
None	ND	ND	-	-

Semivolatile Organic Compounds (SVOCs)

Holding Times

- All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier
1	Most Compounds	OK/OK/High	None for RPD alone
	4-Chloroaniline	36%/OK/OK	None - See LCS
	4-Nitroaniline	50%/OK/35	None - See LCS
	4-Nitrophenol	OK/100%/53	None - Sample ND

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1388229-2	4-Chloroaniline	35%	UJ	All Samples
	4-Nitroaniline	48%	UJ	

Method Blank

- The method blanks were free of contamination.

Field Blank

- The field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB01-200630	None - ND	-	-	-

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
07/02/20 (1308)	Bis(2-chloroisopropyl)ether	21.8%	UJ	All Samples
	2-Nitrophenol	24.2%	UJ	

Compound Quantitation

- All criteria were met.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Tentatively Identified Compounds (TICs)

- All TICs were qualified estimated (J) for unknown compounds.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	RAMW6-200630 ug/L	FD01-200630 ug/L	RPD	Qualifier
None	ND	ND	-	-

Polycyclic Aromatic Hydrocarbons (PAHs)

Holding Times

- All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

Surrogate Spike Recoveries

- The following table presents surrogate percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

EDS Sample ID	Surrogate	%R	Qualifier
3	2,4,6-Tribromophenol	123%	None for one out per fraction

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than five times (5x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
WG1388230-1	Naphthalene	0.28	None	All Associated ND
	Acenaphthylene	0.02	None	
	Fluorene	0.02	U	8
	Phenanthrene	0.05	U	
	Pyrene	0.02	None	All Associated ND
	2-Methylnaphthalene	0.02	None	

Field Blank

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than five times (5x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB01-200630	Fluoranthene	0.02	None	All Associated ND
	Anthracene	0.02	None	
	Hexachlorobenzene	0.03	None	

Initial Calibration

- All %RSD and/or correlation coefficient criteria were met.

Continuing Calibration

- All %D criteria were met.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	RAMW6-200630 ug/L	FD01-200630 ug/L	RPD	Qualifier
None	ND	ND	-	-

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 7/17/20

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-01	Date Collected	: 06/30/20 08:00
Client ID	: RAMW5-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 16:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A08	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	1.4	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U U5
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-01	Date Collected	: 06/30/20 08:00
Client ID	: RAMW5-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 16:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A08	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U UJ
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-01	Date Collected	: 06/30/20 08:00
Client ID	: RAMW5-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 16:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A08	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-02	Date Collected	: 06/30/20 08:35
Client ID	: RAMW6-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 16:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A09	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-02	Date Collected	: 06/30/20 08:35
Client ID	: RAMW6-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 16:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A09	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-02	Date Collected	: 06/30/20 08:35
Client ID	: RAMW6-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 16:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A09	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-03	Date Collected	: 06/30/20 11:35
Client ID	: RAMW4-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 17:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A10	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	8.7	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-03	Date Collected	: 06/30/20 11:35
Client ID	: RAMW4-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 17:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A10	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.59	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-03	Date Collected	: 06/30/20 11:35
Client ID	: RAMW4-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 17:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A10	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-04	Date Collected	: 06/30/20 11:50
Client ID	: RAMW1-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 17:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A11	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	7.3	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U ✓ US
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-04	Date Collected	: 06/30/20 11:50
Client ID	: RAMW1-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 17:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A11	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	3.2	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-04	Date Collected	: 06/30/20 11:50
Client ID	: RAMW1-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 17:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A11	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-05	Date Collected	: 06/30/20 12:05
Client ID	: RAMW2-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 17:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A12	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	2.8	2.5	0.70	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	0.26	0.50	0.15	J
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	4.4	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	0.46	0.50	0.19	J
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U US
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-05	Date Collected	: 06/30/20 12:05
Client ID	: RAMW2-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 17:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A12	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-05	Date Collected	: 06/30/20 12:05
Client ID	: RAMW2-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 17:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A12	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-06	Date Collected	: 06/30/20 12:55
Client ID	: RAMW3-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 18:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A13	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	1.7	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	6.8	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	0.69	0.50	0.19	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-06	Date Collected	: 06/30/20 12:55
Client ID	: RAMW3-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 18:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A13	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-06	Date Collected	: 06/30/20 12:55
Client ID	: RAMW3-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 18:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A13	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-07	Date Collected	: 06/30/20 00:00
Client ID	: FD01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 18:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A14	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-07	Date Collected	: 06/30/20 00:00
Client ID	: FD01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 18:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A14	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-07	Date Collected	: 06/30/20 00:00
Client ID	: FD01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 18:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A14	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-08	Date Collected	: 06/30/20 13:05
Client ID	: EB01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 15:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A07	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-08	Date Collected	: 06/30/20 13:05
Client ID	: EB01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 15:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A07	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.8	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-08	Date Collected	: 06/30/20 13:05
Client ID	: EB01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 15:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A07	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-09	Date Collected	: 06/30/20 00:00
Client ID	: TRIP BLANK-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 15:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A06	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U VS
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
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Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-09	Date Collected	: 06/30/20 00:00
Client ID	: TRIP BLANK-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 15:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A06	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

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Results Summary
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Volatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-09	Date Collected	: 06/30/20 00:00
Client ID	: TRIP BLANK-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/05/20 15:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VG200705A06	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-01	Date Collected	: 06/30/20 08:00
Client ID	: RAMW5-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 18:57
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-01	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U UJ
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-01	Date Collected	: 06/30/20 08:00
Client ID	: RAMW5-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 18:57
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-01	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U UJ
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U UJ
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U

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Tentatively Identified Compounds
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-01	Date Collected	: 06/30/20 08:00
Client ID	: RAMW5-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 18:57
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-01	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	:
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

Number TICS found: 2

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	10.95	2.44	J
	Total TIC Compounds		2.44J	J

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-02	Date Collected	: 06/30/20 08:35
Client ID	: RAMW6-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 20:31
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-02	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U US
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U US
88-74-4	2-Nitroaniline	ND	5.0	0.50	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-02	Date Collected	: 06/30/20 08:35
Client ID	: RAMW6-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 20:31
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-02	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U UJ
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U UJ
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U

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Tentatively Identified Compounds
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-02	Date Collected	: 06/30/20 08:35
Client ID	: RAMW6-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 20:31
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-02	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	:
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

Number TICS found: 2

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	10.95	1.78	J
	Total TIC Compounds		1.78J	J

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-03	Date Collected	: 06/30/20 11:35
Client ID	: RAMW4-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 20:54
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-03	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U UJ
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-03	Date Collected	: 06/30/20 11:35
Client ID	: RAMW4-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 20:54
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-03	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U UJ
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U UJ
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U

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Tentatively Identified Compounds
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-03	Date Collected	: 06/30/20 11:35
Client ID	: RAMW4-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 20:54
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-03	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	:
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

Number TICS found: 2

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.38	2.65	J 3
	Total TIC Compounds		2.65J	J 3

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-04	Date Collected	: 06/30/20 11:50
Client ID	: RAMW1-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 21:18
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-04	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U UJ
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-04	Date Collected	: 06/30/20 11:50
Client ID	: RAMW1-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 21:18
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-04	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U UJ
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U UJ
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U

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Tentatively Identified Compounds
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-04	Date Collected	: 06/30/20 11:50
Client ID	: RAMW1-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 21:18
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-04	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	:
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

Number TICS found: 3

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.38	2.44	J
	Unknown	10.95	2.4	J
	Total TIC Compounds		4.84J	J

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-05	Date Collected	: 06/30/20 12:05
Client ID	: RAMW2-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 21:41
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-05	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U UJ
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-05	Date Collected	: 06/30/20 12:05
Client ID	: RAMW2-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 21:41
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-05	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U UJ
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U UJ
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-06	Date Collected	: 06/30/20 12:55
Client ID	: RAMW3-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 22:05
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-06	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U US
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U US
88-74-4	2-Nitroaniline	ND	5.0	0.50	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-06	Date Collected	: 06/30/20 12:55
Client ID	: RAMW3-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 22:05
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-06	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U UJ
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U UJ
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U

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Tentatively Identified Compounds
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-06	Date Collected	: 06/30/20 12:55
Client ID	: RAMW3-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 22:05
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-06	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	:
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

Number TICS found: 3

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.39	2.4	J
	Unknown	10.95	1.45	J
	Total TIC Compounds		3.85J	J

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-07	Date Collected	: 06/30/20 00:00
Client ID	: FD01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 22:29
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-07	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U VS
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U VS
88-74-4	2-Nitroaniline	ND	5.0	0.50	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-07	Date Collected	: 06/30/20 00:00
Client ID	: FD01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 22:29
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-07	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U UJ
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U UJ
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U

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Tentatively Identified Compounds
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-07	Date Collected	: 06/30/20 00:00
Client ID	: FD01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 22:29
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-07	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	:
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

Number TICS found: 2

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	10.95	1.85	J 3
	Total TIC Compounds		1.85J	J 3

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-08	Date Collected	: 06/30/20 13:05
Client ID	: EB01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 22:52
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-08	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U/US
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U/US
88-74-4	2-Nitroaniline	ND	5.0	0.50	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-08	Date Collected	: 06/30/20 13:05
Client ID	: EB01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 22:52
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-08	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U US
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U US
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U

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Tentatively Identified Compounds
Form 1
Semivolatile Organics by GC/MS

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-08	Date Collected	: 06/30/20 13:05
Client ID	: EB01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 22:52
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 27725-08	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV124
Extraction Method	: EPA 3510C	GC Column	:
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

Number TICS found: 2

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown Organic Acid	10.95	1.71	J
	Total TIC Compounds		1.71J	J

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-01	Date Collected	: 06/30/20 08:00
Client ID	: RAMW5-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 19:37
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: 27725-01	Analyst	: DV
Sample Amount	: 275 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilMS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-02	Date Collected	: 06/30/20 08:35
Client ID	: RAMW6-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 19:57
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: 27725-02	Analyst	: DV
Sample Amount	: 275 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilMS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-03	Date Collected	: 06/30/20 11:35
Client ID	: RAMW4-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 20:16
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: 27725-03	Analyst	: DV
Sample Amount	: 275 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-04	Date Collected	: 06/30/20 11:50
Client ID	: RAMW1-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 20:36
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: 27725-04	Analyst	: DV
Sample Amount	: 275 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-05	Date Collected	: 06/30/20 12:05
Client ID	: RAMW2-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 20:56
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: 27725-05	Analyst	: DV
Sample Amount	: 275 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-06	Date Collected	: 06/30/20 12:55
Client ID	: RAMW3-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 21:15
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: 27725-06	Analyst	: DV
Sample Amount	: 275 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-07	Date Collected	: 06/30/20 00:00
Client ID	: FD01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 21:35
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: 27725-07	Analyst	: DV
Sample Amount	: 275 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilMS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: C.T. Male Associates	Lab Number	: L2027725
Project Name	: HHII TA1	Project Number	: 16.6334
Lab ID	: L2027725-08	Date Collected	: 06/30/20 13:05
Client ID	: EB01-200630	Date Received	: 06/30/20
Sample Location	: SCHENECTADY NY	Date Analyzed	: 07/02/20 21:55
Sample Matrix	: WATER	Date Extracted	: 07/01/20
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: 27725-08	Analyst	: DV
Sample Amount	: 275 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilMS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.02	0.10	0.02	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	0.02	0.10	0.01	J
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	0.10 ~~0.02~~	0.10	0.01	✓ U
85-01-8	Phenanthrene	0.10 ~~0.03~~	0.10	0.02	✓ U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	0.03	0.80	0.01	J
67-72-1	Hexachloroethane	ND	0.80	0.06	U

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EXHIBIT 1

DEPARTMENT APPROVED POST REMEDIAL ACTION GROUNDWATER SAMPLING PLAN

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 | F: (518) 357-2460
www.dec.ny.gov

Ms. Susan McCann
Hamilton Hill II Limited Partnership
90 State Street
Suite 602
Albany, NY 12207
smccann@tcbinc.org
(Sent via email only)

RE: Post Remedial Action Groundwater Sampling Plan
Hamilton Hill II – Target Area 1 Site (Site No. C447052)
830 and 834 Albany Street, City/County of Schenectady

Dear Ms. McCann:

The New York State Department of Environmental Conservation has reviewed the subject work plan submitted electronically on April 27, 2020 by C.T. Male Associates on behalf of Hamilton Hill II Limited Partnership. The revised work plan is approved with the following modification: all drill cuttings originating below the depth of the remedial excavation should be drummed and disposed of following the Remedial Investigation Work Plan.

Please contact me at 518-357-2008 or joshua.haugh@dec.ny.gov if you have any questions about this letter.

Sincerely,

Josh Haugh
Professional Geologist 1

ec: A. Fleck, DEC
G. Burke, DEC
K. Moline, C.T. Male
S. Bieber, C.T. Male

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 www.ctmale.com

April 27, 2020 *Via Email*

Joshua Haugh
New York State Department of Environmental Conservation
Division of Environmental Remediation
1130 North Westcott Road
Schenectady, NY 12306
joshua.haugh@dec.ny.gov

RE: Post Remedial Action Groundwater Sampling Plan
Hamilton Hill II – Target Area 1 Site (BCP Site No. C447052)
830 and 834 Albany Street
City and County of Schenectady

Dear Mr. Haugh:

On behalf of Hamilton Hill II Limited Partnership, C.T. Male Associates Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C. (C.T. Male) has prepared this work plan for the Department's review for the collection of post-remedial action groundwater samples at the above referenced BCP Site No. C447052. The groundwater sampling is being conducted as a component of the November 2019 Decision Document for the Site.

The major elements of the remedial action were completed in April 2020. These included the remediation (by removal) of identified source areas of fill/soil mixtures containing contaminants at concentrations exceeding Unrestricted Use Soil Cleanup Objectives (SCOs), permanent closure (by removal) of underground bulk storage tanks, and backfilling of the fill/soil and tank excavations with imported fill material meeting Unrestricted Use SCOs.

The following presents the methods that will be employed for the installation of monitoring wells and collection of groundwater samples for laboratory analyses.

- Six (6) monitoring wells identified as RAMW1 to RAMW6 are proposed to be installed at the approximate locations shown on the attached two (2) figures. The first figure depicts the locations of the wells in relation to groundwater and soil vapor contaminants identified during the Remedial Investigation (RI). The second figure depicts the locations of the monitoring wells in relation to the proposed Site redevelopment, which is currently in full scale construction.

- Six (6) soil borings will be advanced at the approximate locations shown on the figures employing direct-push (Geoprobe) methods. Based on average groundwater depths obtained during the RI, the borings will each likely extend to approximately 15 to 20 feet bgs.

- One (1)-inch diameter monitoring wells consisting of Schedule 40 PVC screen (0.01 slot) and solid riser pipe will be installed in each boring such that the screened portion of each well straddles the water table. A sand pack will be placed around the well screens and the wells will be finished to grade with hydrated bentonite. The wells will be finished at the ground surface and will be protected with flush mounted curb boxes set in concrete pads.

- Each well will be developed and purged/sampled in accordance with the Field Sampling Plan presented as Appendix A in the Department approved December 2018 (Revised February 2019) Remedial Investigation Work Plan for the Site.

The following presents an explanation on the well locations compared to analytical detections identified within the remedial investigation phase to be above SCGs.

830 Albany Street Portion of the Site

- Proposed monitoring well RAMW1 will be installed in the vicinity of RI-installed monitoring well RIMW2 located in the west-central portion of the 830 Albany Street parcel. Both chloroform (8 ppb vs. SCG of 7 ppb) and tetrachloroethene (6.1 ppb vs. SCG of 5 ppb) were detected in groundwater at concentrations exceeding SCGs at RIMW2. RAMW1 will also serve as an upgradient monitoring well for the 830 Albany Street parcel.

- Proposed monitoring well RAMW2 will be installed in the vicinity of both RI-installed monitoring well RIGP1 and soil vapor probe RISV1 located in the northern portion of the 830 Albany Street parcel. Because of the new building footprint being over RIGP1, the replacement well location was positioned south of RIGP1. Chloroform (9.4 ppb vs. SCG of 7 ppb) was detected in groundwater above its SCG at RIGP1. Tetrachloroethene was detected in soil vapor at a concentration of 426 ug/m^3 at RISV1, but was detected below its SCG of 5 ppb in groundwater at monitoring well RIGP1.

- Proposed monitoring well RAMW3 will be installed in the vicinity of RI-installed monitoring wells RIGP2 and RIGP3 in the eastern portion of the 830 Albany Street parcel. Both chloroform (9.4 ppb vs. SCG of 7 ppb) and tetrachloroethene (6.9 ppb vs. SCG of 5 ppb) were detected in groundwater at concentrations exceeding SCGs at RIGP2. Tetrachloroethene (8.6 ppb vs. SCG of 5 ppb) was detected in groundwater at a concentration exceeding its SCG at RIGP3.

- Proposed monitoring well RAMW4 will be installed in the eastern portion of the 830 Albany Street parcel in the vicinity of MW 2, which was installed during previous Phase II ESAs conducted on the Site. Chloroform (9.8 ppb vs. SCG of 7 ppb) and seven (7) SVOCs (0.03 ppb to 0.11 ppb concentration range) were detected in groundwater above SCGs when this well was sampled during the RI. RAMW4 will also serve as a downgradient monitoring well for the 830 Albany Street parcel.

834 Albany Street Portion of the Site

- Proposed monitoring well RAMW5 will be installed in the vicinity of RI-installed RIGP4 and RIGP5 in the northern portion of the 834 Albany Street parcel. Five (5) SVOCs (0.02 ppb to 0.04 ppb concentration range) were detected in groundwater at concentrations exceeding SCGs at RIGP5. There were no SVOCs detected above SCGs at RIGP4. RAMW5 will serve as an upgradient well for the 834 Albany Street parcel.

- Proposed monitoring well RAMW6 will be installed in the vicinity RI-installed RIMW5 along the eastern boundary of the 834 Albany Street parcel. Three (3) SVOCs (0.02 ppb to 0.06 ppb concentration range) were detected at concentrations exceeding SCGs at this well location. RAMW6 will serve as a downgradient well for the 834 Albany Street parcel.

Analytical Requirements

- The groundwater samples will be analyzed for the Target Compound List (TCL) for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).**

** C.T. Male requests the Department to waive the requirement for testing for metals during this post remedial action sampling event. The RI clearly demonstrated that metals were not contaminants of concern that drove the remedial action, and therefore should not require further testing especially with the removal of soils with contaminants above unrestricted use (and groundwater protection) SCOs. As shown on the first figure attached herein, sodium (which is attributed to the application of snow/ice melt on surrounding roadways) was the only metal predominantly detected above SCGs during the RI. Antimony (4.24 ppb) was detected slightly above its SCG of 3 ppb in one (1) groundwater sample only collected from RI sampled monitoring well RIMW4. The isolated manganese and iron detections above SCGs at RI-sampled monitoring wells RIMW4D, RIMW6D, MW1 and MW2 were viewed as naturally occurring and not contaminants of concern.

- One (1) set of quality control (QC) samples will be collected. These samples will include a trip blank, duplicate sample, matrix spike, matrix spike duplicate and equipment blank.

- The analytical results will be reported as a Category B deliverable for DUSR validation by an independent third party data validator.

Well Decommissioning and Reporting

Upon receipt of the analytical results from this sampling of the additional wells described herein, C.T. Male will prepare a summary report presenting the validated analytical data in tabular format. The results will be compared to NYSDEC Ambient Water Quality Standards for an evaluation on the overall groundwater quality. This comparison will be used to determine when the monitoring wells can be decommissioned.

The monitoring wells will be decommissioned in accordance with DEC Policy CP-43: Groundwater Monitoring Well Decommissioning Policy, dated November 3, 2009. The preferred method for decommissioning will be removal of the protective enclosures followed by casing pulling/grouting. If the well casing cannot be pulled, then the well will be grouted to the surface. Department approval will be obtained prior to decommissioning of the monitoring wells.

Waste Management

Wastes that are anticipated to be generated from installation of monitoring wells and groundwater sampling include drill cuttings, groundwater development and purge water, solid wastes consisting of disposable macro-core acetate liners, and personal protective (i.e., nitrile gloves) and groundwater sampling (i.e., tubing, wipes, etc.) equipment. The Site has been remediated to Unrestricted Use SCOs and soil imported onto the Site as backfill has been tested and meets Unrestricted Use SCOs.

Drill cuttings that are not saturated with groundwater will be disposed of at the ground surface in the vicinity of the soil boring that they were generated from. Drill cuttings that are saturated with groundwater will be placed in a 55-gallon drum for future profiling and ultimate off-site disposal at a permitted treatment, storage and disposal facility (TSDF). Groundwater development and purge water will be placed in a 55-gallon drum for future profiling and ultimate off-site disposal at a permitted TSDF. The drums containing the drill cuttings and water will be staged at a location within the Site that is not anticipated to be disturbed by redevelopment activities.

The disposable sampling and personal protective equipment will be disposed of as solid waste.

Please contact the undersigned should you have any questions regarding this work plan. At this point, we are anticipating the installation of the monitoring wells to take place after the building foundations have been constructed for the proposed building within the 830 Albany Street parcel. Excavation for the installation of the foundations would likely destroy proposed monitoring wells RAMW2, RAMW3 and RAMW4 if these were installed beforehand.

Respectfully,
C.T. MALE ASSOCIATES

Stephen Bieber, CHMM
Project Scientist

Attachments

ec: Kelly Melarango, Hamilton Hill II Limited Partnership
Janis Stewart, Hamilton Hill II Limited Partnership
Jeff Marx, P.E., C.T. Male Associates
Kirk Moline, P.G., C.T. Male Associates

XREFS: NONE

PROJECT NUMBER: 16.6334

CAD DWG. FILE NAME: FIGURE 6.dwg

CAD DWG. FILE NAME: K:\Projects\177266\Survey\Drawings and Maps\FIGURE DRAWINGS\FIGURE 6.dwg

RIMW2_190402		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	8
Tetrachloroethene	5	6.1
Sodium, Total	20,000	43,100

RIMW3D_190401		
ANALYTE	SCG (ppm)	Conc. (ppm)
Manganese, Total	300	414
Sodium, Total	20,000	83,500

RIMW3_190401		
ANALYTE	SCG (ppm)	Conc. (ppm)
Tetrachloroethene	5	7.2
Sodium, Total	20,000	74,100

RIMW1_190329		
ANALYTE	SCG (ppm)	Conc. (ppm)
Sodium, Total	20,000	28,600

MW5_190401		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	11
Sodium, Total	20,000	36,500

RIMW4_190329		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	8.9
Antimony, Total	3	4.24
Sodium, Total	20,000	31,500

RIMW4D_190402		
ANALYTE	SCG (ppm)	Conc. (ppm)
Iron, Total	300	1390
Sodium, Total	20,000	125,000

RIGP1_190723		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	9.4

MW1_190402		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	10
Manganese, Total	300	933.8
Sodium, Total	20,000	34,600

MW2_190402			
ANALYTE	SCG (ppm)	Conc. (ppm)	
Chloroform	7	9.8	
Benzo(a)anthracene	0.002 (GV)	0.03	J
Benzo(a)pyrene	Non Detect	0.04	J
Benzo(b)fluoranthene	0.002 (GV)	0.04	J
Benzo(k)fluoranthene	0.002 (GV)	0.04	J
Chrysene	0.002 (GV)	0.06	J
Hexachlorobenzene	0.04	0.11	J
Indeno(1,2,3-cd)pyrene	0.002 (GV)	0.04	J
Manganese, Total	300	735.3	
Sodium, Total	20,000	37,300	

RIGP2_190723		
ANALYTE	SCG (ppm)	Conc. (ppm)
Chloroform	7	9.4
Tetrachloroethene	5	6.9
Sodium, Total	20,000	39,600 J

RIGP3_190723		
ANALYTE	SCG (ppm)	Conc. (ppm)
Tetrachloroethene	5	8.6

RIGP4_190723		
ANALYTE	SCG (ppm)	Conc. (ppm)
Sodium, Total	20,000	149,000 J

834 MW2_190402			
ANALYTE	SCG (ppm)	Conc. (ppm)	
Benzo(k)fluoranthene	0.002 (GV)	0.01	J
Sodium, Total	20,000	207,000	

RIGP5_190723		
ANALYTE	SCG (ppm)	Conc. (ppm)
Benzo(a)anthracen	0.002 (GV)	0.04 J
Benzo(a)pyrene	Non Detect	0.03 J
Benzo(b)fluoranthe	0.002 (GV)	0.04 J
Benzo(k)fluoranthe	0.002 (GV)	0.02 J
Chrysene	0.002 (GV)	0.02 J
Sodium	20,000	176,000 J

RIMW5_190329			
ANALYTE	SCG (ppm)	Conc. (ppm)	
Benzo(b)fluoranthene	0.002 (GV)	0.02	J
Benzo(k)fluoranthene	0.002 (GV)	0.02	J
Indeno(1,2,3-cd)pyrene	0.002 (GV)	0.06	J
Sodium, Total	20,000	150,000	

RIMW6D_190402		
ANALYTE	SCG (ppm)	Conc. (ppm)
Iron, Total	300	490
Manganese, Total	300	362.9
Sodium, Total	20,000	43,800

RIMW6_190329		
ANALYTE	SCG (ppm)	Conc. (ppm)
Sodium, Total	20,000	203,000

LEGEND

- GP-10 — PRE-RI GEOPROBE (APPROXIMATE LOCATION)
- MW1 — PRE-RI MONITORING WELL LOCATION
- SS3 — PRE-RI SHALLOW SOIL SAMPLE LOCATION (APPROXIMATE LOCATION)
- RISB1 — RI SUBSURFACE SOIL SAMPLE LOCATION
- RISV1 — RI SOIL VAPOR SAMPLE LOCATION
- RISS1 — RI SURFACE SOIL LOCATION
- RIHA1 — RI HAND AUGER LOCATION
- RIMW1 — RI MONITORING WELL LOCATION
- GENERALIZED GROUNDWATER FLOW DIRECTION
- RIGP1 — SUPPLEMENTAL RI GEOPROBE/MONITORING WELL LOCATION

BAR SCALE

20 0 10 20 40

1 inch = 20 ft.

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
2/21/19	1	SAMPLE POINT REVISIONS AND ADDITIONS	GLB		
3/29/19	2	FIELD LOCATION OF SAMPLE POINTS	MDD		
6/21/19	3	MISC REVS TO LEGEND/ ADD FLOW ARROWS	MDD		
8/27/19	4	MISCELLANEOUS REVISIONS	MDD		
	5				
	6				
	7				
	8				
	9				

DESIGNED:

DRAFTED : GLB

CHECKED : JAM

PROJ. NO : 16.6334

SCALE : 1" = 20'

DATE : DEC. 11, 2018

FIGURE 6: CONTAMINANTS IN GROUND WATER EXCEEDING SCGs 830 & 834 ALBANY STREET PARCELS

HAMILTON HILL - TARGET AREA 1 SITE

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NEW YORK

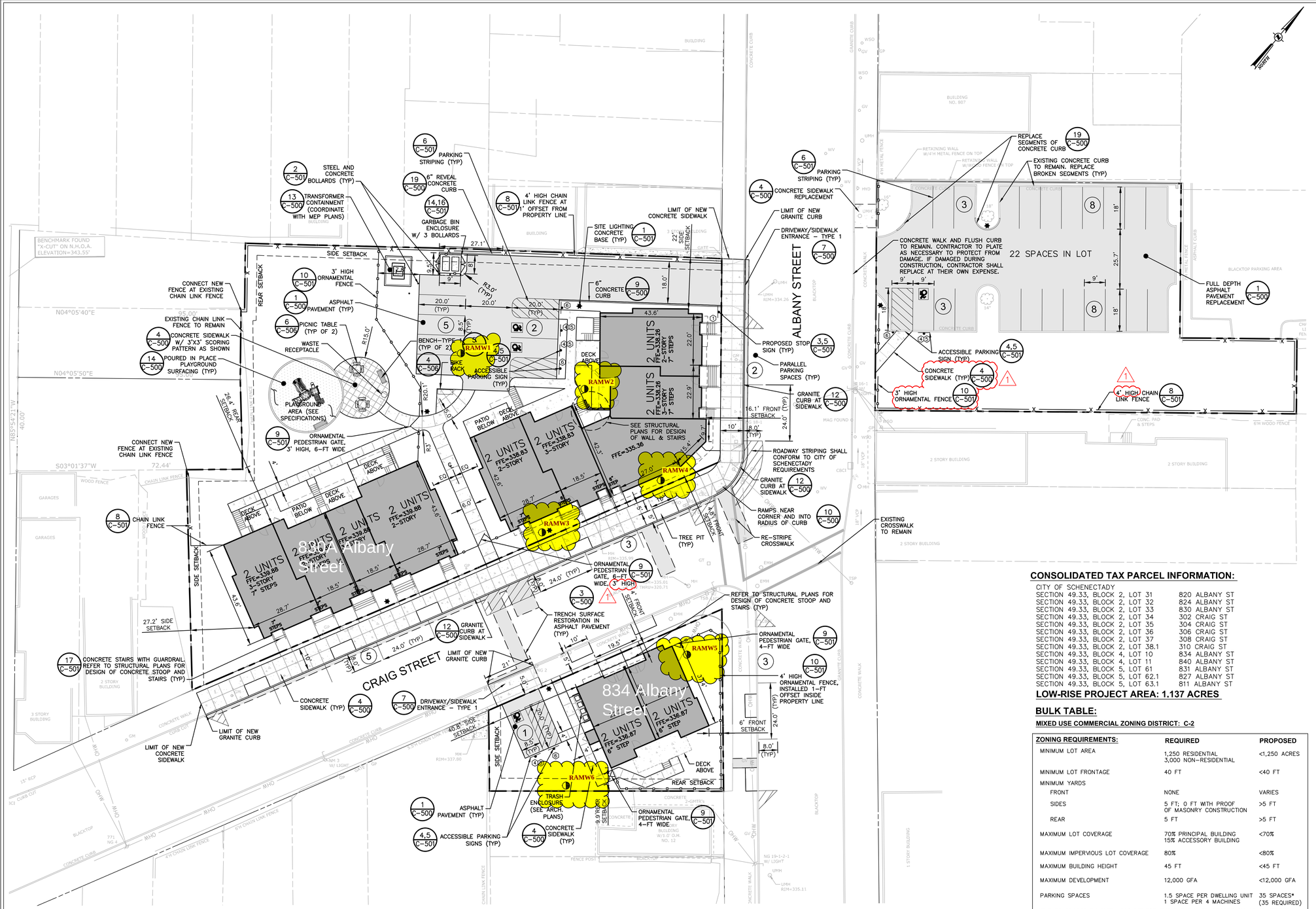
C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299

SHEET 5 OF 11

DWG. NO: 18-578



SITE LEGEND:

- PROPERTY LINE
- SETBACK LINE
- BUILDING
- PAVEMENT
- SIDEWALK
- CURB
- CHAIN LINK FENCE
- ORNAMENTAL FENCE
- CONCRETE SURFACE
- ROAD LINING & STRIPING
- SIGN
- PARKING COUNT, SHOWN FOR DESIGN PURPOSES ONLY
- PROPOSED LIGHT POLE

SITE PLAN NOTES:

GENERAL CONSTRUCTION:

1. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
2. ALL PAVEMENT RESTORATION SHALL MEET AND MATCH EXISTING GRADES.
3. ALL SAWCUT LINES SHALL BE PARALLEL AND CURVILINEAR TO EXISTING OR PROPOSED CURBING AND SHALL BE A CONSTANT DISTANCE OF 18" MIN AWAY.
4. ALL ARCHITECTURE IS SUBJECT TO PLANNING BOARD REVIEW.
5. NOTIFY ENGINEER 48 HOURS PRIOR TO INITIALIZATION OF ANY WORK ON SITE.
6. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT PRIOR REVIEW FROM THE ENGINEER.
7. CONTRACTOR IS RESPONSIBLE FOR EMPLOYING AND MAINTAINING ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING CONSTRUCTION.
8. CONTRACTOR IS RESPONSIBLE FOR PROPERLY & SAFELY MAINTAINING AREA BETWEEN ALL ADJOINING PROPERTIES.
9. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE SITE PROPERTY LINES OR PUBLIC RIGHT-OF-WAY.
10. ALL EXISTING LAWN AREA, CURBING, PAVING, SIDEWALKS, CULVERTS OR OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED BY TRENCHING OR EXCAVATION OPERATIONS SHALL BE REPLACED OR REPAIRED TO A CONDITION EQUAL TO EXISTING, AS DESCRIBED IN CONTRACT DOCUMENTS OR AS ORDERED BY ENGINEER (AOBE). MAILBOXES, SIGN POSTS, ETC SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. REMOVE AND REPLACE AFFECTED CURBING AND SIDEWALK TO NEAREST JOINT. REMOVE PAVEMENT AND REPLACE TO SAW CUT LINE, SAW CUT IN STRAIGHT LINE TO POINT NEEDED TO BLEND GRADE, REMOVE LAWN AND REPLACE TO MINIMUM LIMIT OF EXCAVATION.

LAYOUT :

1. BUILDING DIMENSIONS TO BE TAKEN FROM ARCHITECTURAL BUILDING PLANS. NOTIFY THE ENGINEER OF ANY DEVIATION FROM CONDITIONS SHOWN ON THIS PLAN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND THE ENGINEER AND THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADDITIONS TO THE SATISFACTION OF THE OWNER AND THE ENGINEER BEFORE UTILITIES WILL BE ACCEPTED.

PAVING:

1. NO VEHICULAR TRAFFIC OF ANY SORT SHALL BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING. SUBBASE MATERIAL SO PREPARED FOR PAVING SHALL BE PAVED WITHIN THREE DAYS OF PREPARATION.
2. SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED **"LATEST EDITION"**. CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.
4. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAY'S WORK.
5. TACK COAT WHEN SPECIFIED OR CALLED OUT ON THE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATION SHALL CONFORM WITH THE FOLLOWING:
   A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF 702-90 ASPHALT EMULSION FOR TACK COAT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED **"LATEST EDITION"**. SHALL BE APPLIED IN ACCORDANCE WITH SECTION 407 – TACK COAT SHALL BE IN ACCORDANCE WITH THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
   B. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE. USE POWER BROOMS, BLOWERS OR HAND BROOM.
   C. APPLY TACK COAT TO ASPHALT PAVEMENT SURFACES & AND SURFACES OF CURBS, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR ABUTTING PAVEMENT. DRY TO A "TACKY" CONSISTENCY BEFORE PAVING.
   D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.
6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.

STRIPING:

1. STRIPE PAVEMENT AS INDICATED ON THE PLANS AND/OR IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
2. COLOR: DRIVE LANE DIVIDERS – WHITE OR AOBE
   NO PARKING ZONE WARNINGS – WHITE OR AOBE
   PARKING DIVIDERS – WHITE OR AOBE
   WALKING LINES – WHITE OR AOBE
   HANDICAP PARKING LINES & SYMBOL – BLUE

CONSOLIDATED TAX PARCEL INFORMATION:

CITY OF SCHENECTADY

SECTION 49.33, BLOCK 2, LOT 31	820 ALBANY ST
SECTION 49.33, BLOCK 2, LOT 32	824 ALBANY ST
SECTION 49.33, BLOCK 2, LOT 33	830 ALBANY ST
SECTION 49.33, BLOCK 2, LOT 34	302 CRAIG ST
SECTION 49.33, BLOCK 2, LOT 35	304 CRAIG ST
SECTION 49.33, BLOCK 2, LOT 36	306 CRAIG ST
SECTION 49.33, BLOCK 2, LOT 37	308 CRAIG ST
SECTION 49.33, BLOCK 2, LOT 38.1	310 CRAIG ST
SECTION 49.33, BLOCK 4, LOT 10	834 ALBANY ST
SECTION 49.33, BLOCK 4, LOT 11	840 ALBANY ST
SECTION 49.33, BLOCK 5, LOT 61	831 ALBANY ST
SECTION 49.33, BLOCK 5, LOT 62.1	827 ALBANY ST
SECTION 49.33, BLOCK 5, LOT 63.1	811 ALBANY ST

LOW-RISE PROJECT AREA: 1.137 ACRES

BULK TABLE:

MIXED USE COMMERCIAL ZONING DISTRICT: C-2

ZONING REQUIREMENTS:	REQUIRED	PROPOSED
MINIMUM LOT AREA	1,250 RESIDENTIAL 3,000 NON-RESIDENTIAL	<1,250 ACRES
MINIMUM LOT FRONTAGE	40 FT	<40 FT
MINIMUM YARDS		
FRONT	NONE	VARIES
SIDES	5 FT; 0 FT WITH PROOF OF MASONRY CONSTRUCTION	>5 FT
REAR	5 FT	>5 FT
MAXIMUM LOT COVERAGE	70% PRINCIPAL BUILDING 15% ACCESSORY BUILDING	<70%
MAXIMUM IMPERVIOUS LOT COVERAGE	80%	<80%
MAXIMUM BUILDING HEIGHT	45 FT	<45 FT
MAXIMUM DEVELOPMENT	12,000 GFA	<12,000 GFA
PARKING SPACES	1.5 SPACE PER DWELLING UNIT 1 SPACE PER 4 MACHINES	35 SPACES* (35 REQUIRED)

*THE 35 SPACES DO NOT ACCOUNT FOR THE 7 PARALLEL SPACES ON CRAIG STREET

PLAN COORDINATION NOTE:
1. SEE SITE CONSTRUCTION DETAILS IN MIDRISE BUILDING PACKAGE.

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- Wait The Required Time
- Confirm Utility Response
- Respect The Marks
- Dig With Care

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0 1 2 3
ORIGINAL SCALE IN INCHES

1 03/15/19 ADDENDUM-1

DATE: 08/10/18
DRAWN BY: TCC
JOB #: 3798.00
SCALE: 1"=20'
DRAWING #: LR-C130

REGISTERED LANDSCAPE ARCHITECT JAMES ANDREW SADOWSKY 001931 STATE OF NEW YORK

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C.

HAMILTON HILL II
Hamilton Hill Neighborhood, Schenectady, NY

SITE LAYOUT PLAN
Construction Documents

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