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January 24, 2020

VIA ELECTRONIC MAIL

Mr. Benjamin Rung, P.E., Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7017

Re: Supplemental Investigation Summary
Work Assignment (WA) No. D007620-9
Haz-O-Waste (Northeast Environmental Services) - Site No. 727003
TRC Project No. 198432.0000.0000

Dear Mr. Rung:

This letter report documents and presents the results of the supplemental investigation activities completed at the Haz-O-Waste (Northeast Environmental Services) Site located at 4123 Canal Road, Town of Lenox, New York (the "Site"). The Site location is presented on **Figure 1, Attachment A**. The purpose of the supplemental investigation was to characterize the source zone area and to obtain the data needed to develop a source area removal action approach. In accordance with the New York State Department of Environmental Conservation (NYSDEC or Department) approved scope of work dated April 13, 2019, the supplemental investigation activities included the following:

- Advancement of 22 direct-push soil borings to depths ranging from approximately 27 to 32 feet below ground surface (ft. bgs).
- Collection and laboratory analysis of 200 soil samples for volatile organic compounds (VOCs).
- Installation of six monitoring wells to depths of approximately 15 ft. bgs around and downgradient of the perimeter of the former building.
- Development of the six newly installed monitoring wells.
- Collection of 12 groundwater samples for laboratory analysis of VOCs from the six newly installed monitoring wells and six existing monitoring wells.
- Collection and laboratory analysis of quality assurance/quality control (QA/QC) samples in accordance with the Field Activities Plan (FAP) and Quality Assurance Project Plan (QAPP).
- Implementation of a Community Air Monitoring Plan (CAMP) during ground intrusive work.
- Surveying the location and elevation, including ground surface, top of protective casing, and top of riser (as applicable) of the six new monitoring wells and 22 soil boring locations.
- Abandonment of 21 existing monitoring wells.
- Management, characterization and disposal of investigation derived waste (IDW).

PROJECT BACKGROUND

The Former Haz-O-Waste (a.k.a., Northeast Environmental Services) facility was a permitted Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal Facility (TSDF) which operated from the late 1970s until 2001 and treated various wastes including laboratory chemicals, industrial solvents, paint and ink residue, and many other wastes prior to their off-site disposal. The TSDF operations resulted in the contamination of soil and groundwater at the Site with VOCs. The extent of VOC impacts to soil and groundwater were described

in the Final Remedial Investigation Report (RIR) submitted to the Department in March 2011 by EA Engineering, P.C. (EA). In September 2011, EA presented several remedial alternatives in a Final Feasibility Study (FS) to address the VOC impacts at the Site. In the FS, in-situ thermal remediation (ISTR), followed by air sparging, was selected as the remedial alternative for addressing site contamination. The components of the selected remedial alternative were presented in the Record of Decision (ROD) issued in March 2012. ISTR, followed by air sparging, was the selected remedy for the Site in the ROD.

A remedial alternative consisting of in-situ injection of zero valent iron (ZVI) for enhanced bioremediation was also evaluated for the Site as part of the FS, and based on the remedial alternatives evaluation criteria, was ranked nearly equal to ISTR. This approach was not selected in the FS and ROD primarily due to concerns regarding potential impediments to delivery of ZVI to the subsurface (i.e., soil characteristics and shallow depth to groundwater at the Site). However, since site preparation activities (i.e., building demolition, surface re-grading, storm sewer improvements, and asphalt cover installation) completed in preparation of ISTR partially addressed the concerns, and challenges associated with the procurement process for ISTR were identified, the feasibility of an injection alternative for achieving the remedial objectives specified in the ROD was further evaluated.

TRC completed a baseline investigation for an injection pilot test in 2015. Based on the results of the investigation, Enhanced In-Situ Bioremediation (reductive dechlorination) via injection of emulsified vegetable oil (EVO) using direct-push technology was selected for the pilot test. Between July 2015 and August 2015 EVO was injected into 20 temporary injection points within the Pilot Test Treatment Zone at the Site. EVO and chase water were delivered to the subsurface in 2-foot increments, from 29 to 5 ft. bgs. A second injection event was completed in October 2017. EVO, nutrients, additional bacterial culture, and dissolved minerals were reapplied to the subsurface through temporary injection points at a variety of depths across the Pilot Test Treatment Zone. Five post-injection monitoring events were completed between 2015 and 2018. An evaluation of the post-injection monitoring event data from the source zone area wells showed the following:

- A slight reduction in contaminant concentrations; however, pre- and post-injection contaminant concentrations were generally of the same order of magnitude.
- No meaningful contaminant concentration trends.
- Apparent inhibitory conditions preventing efficient biodegradation of the contaminants of concern.

Based on the above results, a supplemental investigation was recommended to further characterize the source zone area and to support advancement of a source material removal action. The supplemental investigation field activities were completed at the Site in April 2019. The investigation activities and results are discussed below.

SUPPLEMENTAL INVESTIGATION ACTIVITIES

Groundwater & Environmental Services, Inc. (GES), a NYSDEC call-out contractor, was retained by NYSDEC (call-out ID 136814) to complete the direct-push drilling, monitoring well installation and development, site surveying, IDW management, and monitoring well abandonment portions of the supplemental investigation activities. Subsequently, GES retained several subcontractors, including NYEG Drilling, LLC (NYEG) for direct-push drilling and monitoring well installation and development, C.T. Male Associates for site surveying, Environmental Products and Services of Vermont, Inc. (EPS) for IDW management, and Parratt-Wolff, Inc. (PWI) for monitoring well abandonment, to complete the supplemental investigation field work. TestAmerica Laboratories, Inc. (TestAmerica), also a NYSDEC call-out contractor, was retained by NYSDEC (call-out ID 136829) for analytical services. TRC provided management, oversight, documentation, and sampling services during implementation of the supplemental investigation field activities.

Direct-Push Soil Boring Program

A total of 22 soil borings were advanced on-site by NYEG, under subcontract to GES, between April 3, 2019 and April 9, 2019 using direct-push drilling techniques (DPT). Refer to **Figure 2, Attachment A** for soil boring locations. Each soil boring was sampled continuously in 5-foot increments using a direct-push drill rig (Geoprobe® Series 6620) and Macro-Core® samplers from the ground surface to the top of the basal till layer. The samples were screened for lithology and indications of contamination (e.g., elevated PID readings, staining, odors, etc.). Soil lithology was described using the Unified Soil Classification System. Other observations, such as unique lithology or strata changes, and the depth to the first encountered groundwater were recorded on the soil boring logs included in **Attachment B**.

Discrete soil sample collection for analysis was performed from a pre-selected range of depths up to approximately 30 ft. bgs at each direct-push soil boring location. The depth ranges for the discrete soil samples collected for analysis were selected based on historical soil data. The soil boring location identification numbers, pre-selected sampling ranges, total number of soil samples selected for laboratory analysis from each soil boring, and the total depth of each boring are presented in the table below.

Soil Boring Program Summary

Soil Boring Location Identification	Discrete Soil Sampling Depth Range (ft. bgs)	Number of Soil Samples Selected for Laboratory Analysis	Soil Boring Depth (ft. bgs)
HOW-SB-201	19 – 30	4	29
HOW-SB-202	3 – 30	9	31.5
HOW-SB-203	0 – 30	10	30
HOW-SB-204	0 – 30	10	30
HOW-SB-205	0 – 30	10	27
HOW-SB-206	0 – 30	10	27
HOW-SB-207	0 – 30	10	30
HOW-SB-208	0 – 30	10	29
HOW-SB-209	0 – 30	10	29
HOW-SB-210	0 – 30	10	28
HOW-SB-211	0 – 30	10	29
HOW-SB-212	0 – 30	10	29
HOW-SB-213	0 – 30	10	29
HOW-SB-214	0 – 30	10	29
HOW-SB-215	0 – 30	10	29
HOW-SB-216	0 – 30	10	29
HOW-SB-217	0 – 30	10	28
HOW-SB-218	0 – 30	10	29
HOW-SB-219	0 – 30	10	29
HOW-SB-220	6 – 30	7	29
HOW-SB-221	15 – 30	5	29
HOW-SB-222	14 – 30	5	28

Five (HOW-SB-201, HOW-SB-202, HOW-SB-220, HOW-SB-221, and HOW-SB-222) of the 22 direct-push soil borings were advanced near the locations of prior soil borings that either historically exhibited VOC concentrations above the Commercial Use Soil Cleanup Objectives (CU-SCOs) (SEM-SB-23, SEM-SB-37, and SEM-SB-64) or exhibited

increasing VOC concentrations with depth and VOC concentrations above Protection of Groundwater SCOs (SEM-SB-42 and SEM-SB-52). The objective for the borings located near SEM-SB-23, SEM-SB-37, and SEM-SB-64 was to confirm historical results and/or document potential changes in contaminant concentrations following the pilot test. The objective for the soil borings near SEM-SB-42 and SEM-SB-52 was to collect soil samples for laboratory analysis from below the termination point of the prior soil borings. The remaining soil borings were distributed across the suspected source area to provide additional information in and around areas of documented groundwater contamination.

Discrete soil samples were collected for laboratory analysis for VOCs at a frequency of one, 6-inch sample per 3-foot vertical increment (biased within each interval to the highest PID reading, observed impacts, or lithology of interest). A total of 200 soil samples (excluding matrix spike/matrix spike duplicate samples which were collected at a rate of one per 20 samples), collected using Terra Core® discrete samplers, were submitted for laboratory analysis. The sample containers were placed on ice in a designated sample cooler. Sampling information was entered onto a chain-of-custody, the coolers were transported to the TestAmerica service center, and the samples were analyzed for Target Compound List (TCL) VOCs by United States Environmental Protection Agency (USEPA) Method 8260.

The analytical results were tabulated and compared to 6 NYCRR 375-6.8(a) Unrestricted Use (UU) and CU SCOs and are presented on **Table 1, Attachment C**.

Monitoring Well Installation and Development

Six 2-inch diameter perimeter groundwater monitoring wells (HOW-MW-301 through HOW-MW-306) were installed to a depth of approximately 15 ft. bgs, consistent with the depth of the existing shallow wells on the Site, which have historically exhibited the highest VOC concentrations. The new wells were installed by NYEG, under subcontract to GES, using a truck-mounted drill rig and 4.25-inch hollow stem augers. The well locations are shown on **Figure 2, Attachment A**. Each well was drilled to termination depth without borehole sampling, using a wooden plug in the lead auger. Each new well was constructed with a 10-foot, 10 slot PVC screen spanning approximately 5 ft. bgs to 15 ft. bgs. The annular space between the well screen and formation was filled with a clean silica sand pack to approximately 2 feet above the screened interval. A 2-foot thick hydrated bentonite seal was placed above the sand pack in the remaining annular space, and the remaining open interval was grouted to grade surface and fitted with a 6-inch protective steel casing (stick-up).

After a period of at least 24 hours following installation, each of the new wells were developed by NYEG using surging and pumping techniques. Additionally, three existing shallow monitoring well, WP-9S, WP-10S, and WP-100S were redeveloped by NYEG prior to the monitoring well sampling event. These wells are hydraulically downgradient and near the northern and northeastern boundaries of the Site.

Monitoring Well Sampling

One round of groundwater samples was collected from each of the six newly installed monitoring wells (HOW-MW-301 through HOW-MW-306) and six existing wells (HOW-PT-MW101S through HOW-PT-105S, and HOW-WP-10S) on April 17, 2019 and April 18, 2019. A PID headspace reading was measured prior to groundwater sample collection at each monitoring well. In addition, the total depth of each well (TWD), depth to water (DTW), and, depth to non-aqueous phase liquid (NAPL), was measured, from the top of each PVC casing, using an electronic oil-water interface probe. No NAPL or other evidence of contamination (i.e., discoloration, odor, headspace readings, etc.) were encountered in any of the monitoring wells. Groundwater sampling logs are presented in **Attachment D**, and groundwater surface elevations and contours are presented on **Figure 3, Attachment A**.

Before sampling, groundwater was purged using low-flow sampling techniques and a peristaltic pump with low density polyethylene (LDPE) tubing. During purging, dissolved oxygen, oxidation/reduction potential, turbidity, temperature, conductivity, and pH were measured using a Horiba® U-53-2 multi-parameter water chemistry

meter. These parameters as well as the measurements noted above were recorded on the groundwater sample forms presented in **Attachment D**. The groundwater sample containers were placed on ice in a designated sample cooler. Sampling information was entered onto a chain-of-custody, the coolers were transported to the TestAmerica service center, and the samples were analyzed for TCL VOCs by USEPA Method 8260.

The analytical results were tabulated and evaluated by comparison to NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values (Class GA Values) and are presented on **Table 2, Attachment C**.

Site Survey

The newly installed monitoring wells were surveyed by C.T. Male Associates, a New York State licensed land surveyor, under subcontract to GES. The survey also included the locations and elevations (ground surface and top of PVC well casing) of the existing monitoring wells as well as the coordinates and ground surface elevations of the locations of the direct-push soil borings.

Investigation Derived Waste

A total of five 55-gallon drums were transported off-site for proper disposal on June 27, 2019. Three drums were empty and were transported off-site as non-DOT regulated material by EPS, under subcontract to GES, for disposal as scrap metal at EPS in Syracuse, New York. Two drums contained soil cuttings which exhibited evidence of contamination. The soil-containing drums were transported off-site as hazardous waste (as specified by the waste disposal facility) by EPS for disposal at Cycle Chem, Inc. in Lewisberry, Pennsylvania. The waste disposal manifests are included in **Attachment E**.

Monitoring Well Abandonment

A total of 21 existing monitoring wells were abandoned by PWI, under subcontract to GES, between July 1, 2019 and July 3, 2019. Twenty-two wells were originally scheduled to be abandoned; however, one monitoring well (WP-105-D) could not be located. As per NYSDEC direction, the wells were pulled directly from the subsurface, and the remaining boreholes were allowed to cave in with material from the surrounding formation, and then remaining voids were backfilled with bentonite chips. Protective casings, where present, were removed, and the well locations were restored to match the surrounding ground surface. The 21 monitoring wells that were abandoned are as follows:

- PW-ES-1
- WP-ED-2
- WP-14S
- WP-14D
- DP-1
- P-5S
- P-6
- WP-8S
- WP-8D
- WP-9D
- WP-13
- WP-10D
- WP-100D
- WELL-B
- WELL-A
- WP-CD (CD-2
- WP-CS (C-5-1)
- WP-17D
- MW-2
- MW-16D
- WP-5S

Currently, the wells remaining on the Site include the HOW-MW-300 series installed as part of the 2019 supplemental investigation, the HOW-PT-100 series installed as part of the 2015 pilot test, and WP-9S, WP-10S, and WP-100S, which serve as sentinel wells.

SUMMARY OF FINDINGS

The results of the analyses of the soil and groundwater samples collected during the supplemental investigation are presented on **Table 1** and **Table 2, Attachment C**. Soil sampling results were compared to 6 NYCRR Part 375 Table 375-6.8(a) UU-SCOs and Table 375-6.8(b) CU-SCOs. The groundwater sampling results were compared to NYSDEC Class GA Values.

There are primarily two types of VOC contaminants at the Site, as has been discussed in historical documents. These include the petroleum-related compounds benzene, toluene, ethylbenzene, and xylene (BTEX) and chlorinated ethanes and ethenes (CVOCs). Field observations from the supplemental investigation activities and results of analysis of soil and groundwater samples are presented and discussed below. Results of analysis of soil samples for CVOCs are summarized on **Figure 4, Attachment A**. Results of analysis of soil samples for BTEX are summarized on **Figure 5, Attachment A**. Results of analysis of groundwater samples are summarized on **Figure 6, Attachment A**.

Field Observations

- The supplemental investigation area is covered by an asphalt cover and approximately 1 to 2 feet of crushed stone beneath the asphalt. A tight, cohesive brown silt layer, which is typically 1 to 2 feet thick, is present beneath the asphalt cover and crushed stone. This silt layer is likely remnants of fill material from under the former building. The material underlying the brown silt fill material is a native fine-grained brown sand and silt mix.
- The native sand and silt mix is the first fully saturated water bearing unit underlying the fill material. This fine-grained material becomes less silty with depth, and abruptly transitions to basal till at approximately 30 ft. bgs.
- Groundwater was observed at the interface between the fill material and the native sand and silt, which typically was encountered at approximately 5 ft. bgs in the direct-push soil borings.
- Soil staining was observed in three soil borings, HOW-SB-213, HOW-SB-214 and HOW-SB-215. The boring locations are within the footprint of the former building, and within the limits of the pink outline on **Figure 4** and **Figure 5, Attachment A.** The stained soil was observed in Macro-Core® samples collected from the 0 to 5-foot depth interval in each of the three borings. The stained soil was primarily observed in the fill material underlying the asphalt and crushed stone, and above the saturated, native sand and silt. Elevated PID readings above 100 parts per million (ppm) were also recorded when screening shallow samples collected from the three soil borings.
- PID readings detected in the soil samples recovered from the direct-push soil borings are presented in the table below on the following page. As shown in the table, the highest PID readings were recorded during screening of the soil samples collected from approximately 10 ft. bgs or less from soil borings HOW- SB-207, HOW- SB-208, HOW- SB-210, HOW- SB-211, HOW- SB-213, HOW- SB-214, HOW- SB-215, HOW- SB-217, HOW- SB-218, HOW- SB-220, and HOW- SB-221. These soil borings are located within or adjacent to the footprint of the former building. With the exception of HOW- SB-207 and HOW- SB-208, the soil borings are located within the pink area outline on **Figure 4** and **Figure 5, Attachment A**. At these locations, PID readings ranged from 0.9 to 1,694 ppm for soil collected from the 0 to 5-foot depth interval and 21.7 to 3,624 ppm for soil collected from the 5 to 10-foot depth interval. Additionally, many of the PID readings at these depth intervals were greater than 100 ppm. For depth intervals greater than 10 ft. bgs, PID readings ranged from 0 to 64 ppm, with the majority of readings less than 10 ppm. No elevated PID readings (greater than 25 ppm) were recorded for the soil samples collected from soil borings HOW-SB-201 through HOW-SB-206, HOW- SB-212, HOW- SB-216, HOW- SB-219, and HOW- SB-222. With the exception of HOW-SB-209 and HOW- SB-222, these soil borings are outside the limits of the pink outline on **Figure 4** and **Figure 5, Attachment A.**
- Elevated PID readings (greater than 100 ppm) generally correlate to elevated BTEX and/or CVOC concentrations in the laboratory analytical data. Elevated PID readings were recorded during screening of soil boring collected from HOW-SB-210, HOW-SB-214, and HOW-SB-215 where toluene and xylene

concentrations were detected above CU-SCOs and elevated comingled BTEX and CVOC concentrations were found as shown on **Figure 5, Attachment A**.

Soil Boring Locations with Elevated PID Readings

Sample Location:	HOW-SB-207	HOW-SB-208	HOW-SB-210	HOW-SB-211	HOW-SB-213	HOW-SB-214	HOW-SB-215	HOW-SB-217	HOW-SB-218	HOW-SB-220	HOW-SB-221
Screening Depth (ft. bgs)	PID (ppm)										
0 - 5	32.7	0.9	730	148	119	294.1	799	263	309	236	1694
5 - 10	50.6	133.1	50.6	76.8	51.1	93	281.7	23	21.7	35	3624
10 - 15	8.7	0.2	3	49.1	22	11	64	2.2	4	0.6	16.2
15 - 20	0	0	3.7	9	0.8	0.2	1.2	5	0.5	14	14
20 - 25	1.7	0	0.6	2.4	0	0	0	40	0.7	4.8	0.3
25 - 30	0	0	1.3	1	10	0	0	5	0	0	0

Soil Boring Locations without Elevated PID Readings

Sample Location:	HOW-SB-201	HOW-SB-202	HOW-SB-203	HOW-SB-204	HOW-SB-205	HOW-SB-206	HOW-SB-209	HOW-SB-212	HOW-SB-216	HOW-SB-219	HOW-SB-222
Screening Depth (ft. bgs)	PID (ppm)										
0 - 5	0	0	0	0.8	0	0.4	0	0.7	1.7	0.7	1.8
5 - 10	0	0	3.7	18.9	0	10.6	0	2.2	1.9	0.2	1.2
10 - 15	0	0	2.8	1.8	0	0	0	3.2	3	1	0
15 - 20	3.4	0	0.6	0	0	0	0	1.1	1.1	0	0
20 - 25	0	0	0	0.6	0	0	0.3	0	0	0	0
25 - 30	0	0	0	0	0	2.4	0	0	0	0	0

Notes:
ft bgs - Feet below ground surface.
ppm - parts per million.
Shading indicates a PID response of 5 ppm or lower.
Shading indicates a PID response from greater than 5 to 25 ppm.
Shading indicates a PID response from greater than 25 to 100 ppm.
Shading indicates a PID response greater than 100 ppm.

VOCs in Soil

Chlorinated Volatile Organic Compounds

None of the CVOC detections in the soil samples collected at the Site during the supplemental investigation exceeded CU-SCOs. CVOCs detected in soil at concentrations above the UU-SCOs are presented on **Figure 4, Attachment A** and discussed below.

- Nine CVOCs were detected above UU-SCOs in soil: 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethane (1,2-DCA), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), chloroform, 1,1,1-trichloroethane (TCA), trichloroethene (TCE), tetrachloroethene (PCE), and vinyl chloride (VC).
- Of the nine CVOCs detected at concentrations exceeding UU-SCOs in soil at the Site, cis-1,2-DCE was the most frequently detected CVOC (detected in 17% of samples or 34 of 200 samples), with concentrations ranging from 1.7 to 130 mg/kg. The highest concentration of cis-1,2-DCE was detected at 3 ft. bgs in boring HOW-SB-215. Each of the other CVOCs were detected in fewer than 10% of samples.
- Soil impacts from parent compounds PCE, TCE and TCA were encountered most frequently in soil collected from approximately 10 ft. bgs or less in the area within the former building footprint. The most significant PCE impacts, concentrations above UU-SCOs, were detected in samples collected from HOW-SB-215 and HOW-SB-217 at concentrations of 63 mg/kg (3 ft. bgs) and 73 mg/kg (3 ft. bgs), respectively. The most significant TCE impacts were encountered in HOW-SB-215, HOW-SB-217 and HOW-SB-219 at concentrations of 14 mg/kg (3 ft. bgs), 35 mg/kg (3 ft. bgs) and 18 mg/kg (both 9 and 11 ft. bgs), respectively.
- The CVOC impacted soils in the northern portion of the soil investigation area, which is hydraulically downgradient of the footprint of the former building, generally occur at depths greater than 15 ft. bgs. Apart from the TCE impacts detected in samples collected from HOW-SB-201 and the TCE and TCA impacts observed in HOW-SB-209, the CVOC contamination in the northern part of the soil investigation area consists of daughter products of the Site related parent compounds.
- Other non-site related VOCs were detected in soil at concentrations exceeding UU-SCOs. These VOCs include acetone and 2-butanone (MEK).

Petroleum-Related Volatile Organic Compounds

Six petroleum-related VOC detections in three soil samples collected from three borings at the Site during the supplemental investigation exceeded CU-SCOs. Petroleum-related VOCs detected in soil at concentrations above the UU-SCOs and CU-SCOs are presented on **Figure 5, Attachment A** and discussed below.

- The BTEX compounds found at the Site primarily consist of toluene, ethylbenzene, and xylenes. While benzene was detected in soil at the Site, benzene was not detected at a concentration above the UU-SCO. The general area of greatest TEX impacts is within the pink outline on **Figure 5, Attachment A**.
- Toluene and xylene compounds were detected at concentrations exceeding CU-SCOs in soil samples collected from 3 ft. bgs or less. The three locations where concentrations of TEX compounds in soil samples exceeded CU-SCOs are HOW-SB-210, HOW-SB-214 and HOW-SB-215.
- Both toluene and xylene were detected at concentrations above the CU-SCOs in three samples, HOW-SB-210 (3), HOW-SB-214 (3), and HOW-SB-215 (3). Xylene was detected at a maximum concentration of 1,700 milligrams per kilogram (mg/kg), in the sample collected 3 ft. bgs from soil boring HOW-SB-215. The CU-SCO for xylene is 500 mg/kg. Toluene was detected at a maximum concentration of 2,700 mg/kg, in the sample collected 3 ft. bgs from soil boring HOW-SB-210. The CU-SCO for toluene is 500 mg/kg. The

maximum concentration of ethylbenzene of 230 mg/kg was also detected in boring HOW-SB-210 at 3 ft. bgs, which exceeds the UU-SCO of 1 mg/kg, but is below the CU-SCO of 390 mg/kg.

VOCs in Groundwater

- The detections of VOCs in groundwater are presented on **Figure 6, Attachment A.** Generally, the location of the groundwater impacts coincides with the location of soil impacts, largely centered in the subsurface beneath the former building foundation.
- CVOC and TEX compounds are the predominant VOCs detected in groundwater.
- Two monitoring wells, HOW-PT-101S and HOW-PT-103S, have significantly greater concentrations of CVOC and TEX compounds compared to the other Site monitoring wells. Concentrations in these two monitoring wells are significantly higher (parts per million range) for both CVOC and BTEX compounds.
- Monitoring well HOW-MW-301, which is located hydraulically upgradient (south) of the investigation area, did not exhibit significant VOC impacts. Only acetone was detected, at an estimated concentration of 3.6 micrograms per liter (µg/l), which is below the Class GA Value of 50 µg/l.
- No VOCs were detected in monitoring well WP-10S, which is the most downgradient well sampled, near the northern boundary of the property.
- Either no exceedances or only marginal exceedances of Class GA Values for Site related compounds were observed in the other monitoring wells (other than HOW-MW-301) surrounding the supplemental investigation area including the newly installed monitoring wells HOW-MW-302, HOW-MW-303, HOW-MW-304, HOW-MW-305, HOW-MW-306 and existing monitoring well HOW-MWPT-102S.

CONCLUSIONS

- The results of the supplemental investigation show that the greatest VOC impacts (CVOCs and TEX) are primarily within and adjacent to the former building footprint; and, furthermore, the impact to groundwater does not appear to be migrating significantly beyond the localized impacted area.
- Analytical data and field screening data indicate that the contamination is largely comingled within the upper portions of the soil zone, primarily within the top 12 feet, beneath the location of the former building. The most significant soil impacts are generally less than 5 ft. bgs, and it appears that both CVOC and TEX impacts are comingled in the most impacted area.
- Field observations and PID readings support the analytical findings, with elevated PID readings and physical evidence of contamination (at three soil boring location) in samples collected from 12 ft. bgs or shallower.
- Field observations indicate that the contamination is primarily in the silt fill material located directly beneath the asphalt pavement and underlying layer of crushed stone.
- The CVOC concentrations observed in monitoring well HOW-PT-MW-101S are in the parts per million range for several CVOCs including DCE. These concentrations are approaching the 1% range of the solubility for these compounds, which indicates the possibility for the presence of NAPL in the immediate area.

REMEDIAL OPTIONS

Based on the findings of the supplemental investigation, two source area removal options are presented for consideration: Option 1 - removal of the upper 7 feet of soil within the area of comingled TEX and CVOC contamination and Option 2 - removal of the upper 7 feet of soil within the area of comingled TEX and CVOC contamination and application of ZVI or other amendment to the bottom of the excavation area to promote

contaminant reduction through destruction of residual CVOCs in deeper soil and groundwater. Presented below are descriptions and concept level cost estimates for both options. The concept level cost estimate for each option includes preparation of a technical scope of work or remedial action work plan, remedial action implementation, Final Engineering Report, Environmental Easement, Site Management Plan (SMP) and implementation of site management activities including annual site inspections, and groundwater sampling and reporting for a 3-year period following construction. The cost estimates are based on disposal of excavated material off-site as approximately 85% non-hazardous waste and 15% hazardous waste. A table summarizing the concept level cost estimates for the potential remedial options is included as **Attachment F.**

Option 1 – Source Removal Only

The source removal only option would address impacts to soil observed within the supplemental soil investigation area. The excavation area would include the southern portion of the supplemental soil investigation area, generally beneath the former building foundation, encompassing an area of approximately 100 feet by 80 feet. Although most of the excavation would target the top 5 feet of impacted clay and silt to a depth of 7 ft. bgs, this option would also include localized deeper excavation near the HOW-MW-PT-101 and HOW-MW-PT-103 well clusters. The monitoring wells would be abandoned and replaced as part of this option. The total estimated concept level cost for this option is $1,510,000.

Option 2 – Source Removal with Amendment Application

The source removal with amended backfill option would address impacts to soil observed within the supplemental investigation area as well as residual contamination in the deeper soil and groundwater. The excavation area would be the same as Option 1. However, ZVI or similar amendment would be added to promote destruction of residual CVOC contamination. ZVI would likely increase the reducing potential in the groundwater in the immediate excavation area, and potentially in downgradient areas. This change in the geochemical conditions would likely increase any dormant microbial activity and further enhance reductive dechlorination of CVOCs. Total estimated concept level cost for this alternative is $1,580,000.

If you have any questions or comments or wish to discuss any of the options in further detail, please do not hesitate to contact me via email at NKranes@TRCcompanies.com, in the office at (315) 671-4053, or on my mobile phone at (315) 730-6081.

Sincerely,
TRC Engineers, Inc.

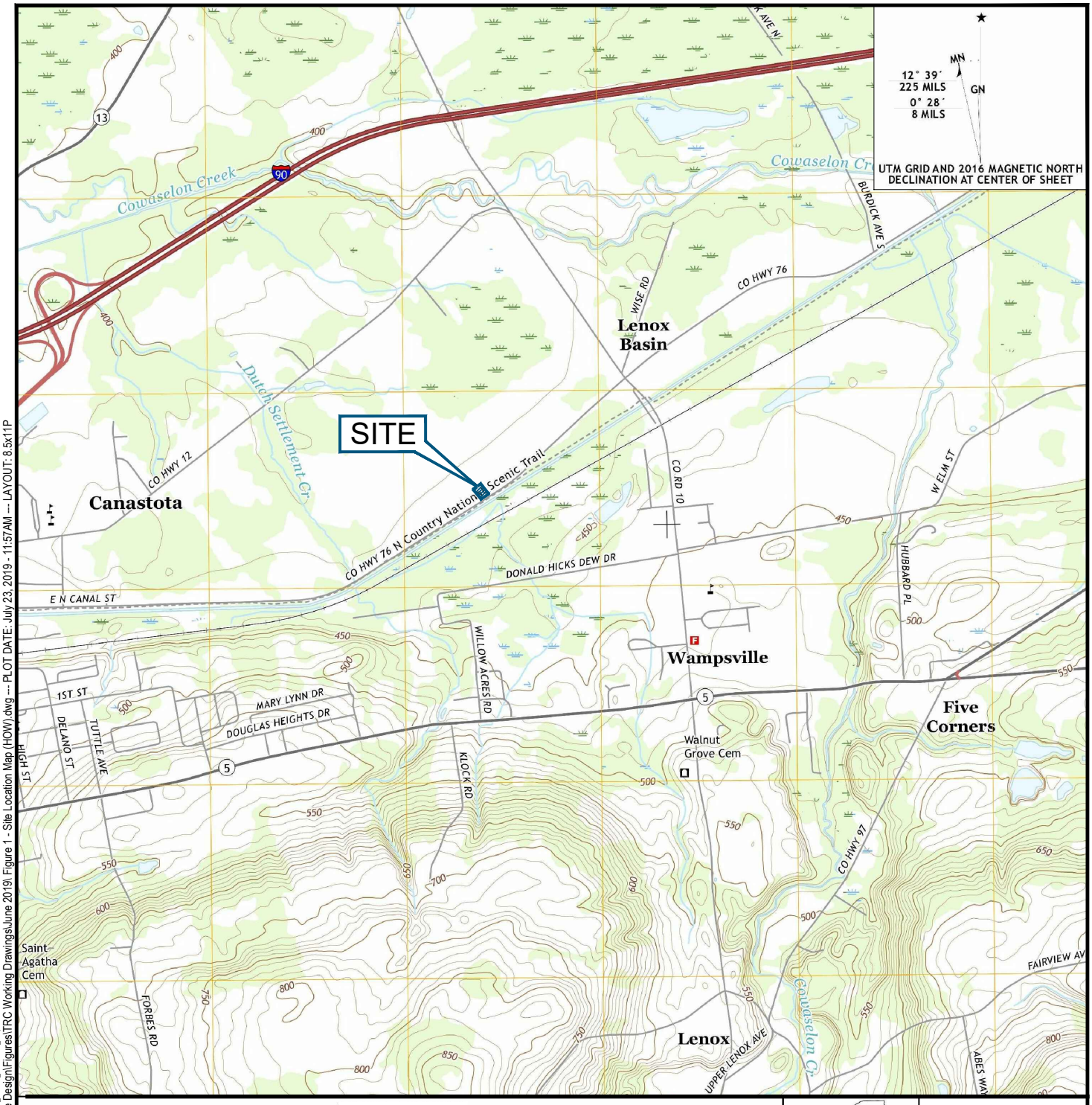
Nathan T. Kranes, P.G., C.P.G.
Project Manager

CC: D. Glass (TRC)
J. Magda (TRC)

Attachments:
Attachment A: Figures
Attachment B: Boring Logs
Attachment C: Data Tables
Attachment D: Groundwater Sampling Forms
Attachment E: IDW Waste Manifests
Attachment F: Concept Level Cost Estimates for Potential Remedial Options

ATTACHMENT A

FIGURES



SCALE: 1:2400

1 0.5 0 KILOMETERS 1 2

1000 500 0 METERS 1000 2000

1 0.5 0 MILES 1

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

MAP INCLUDES INFORMATION FROM THE FOLLOWING MAP SHEET(S): TP,ONEIDA, NY, 7.5 MINUTE DATED 2016.

MAP OBTAINED THROUGH USE OF TOPOVIEW WITH THE INTERFACE CREATED BY THE NATIONAL GEOLOGIC MAP DATABASE PROJECT (NGMDB), IN SUPPORT OF THE TOPOGRAPHIC MAPPING PROGRAM, MANAGED BY THE USGS NATIONAL GEOSPATIAL PROGRAM (NGP).

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PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAZ-O-WASTE SITE - NYSDEC SITE NO. 727003
4123 CANAL ROAD
LENOX, NEW YORK

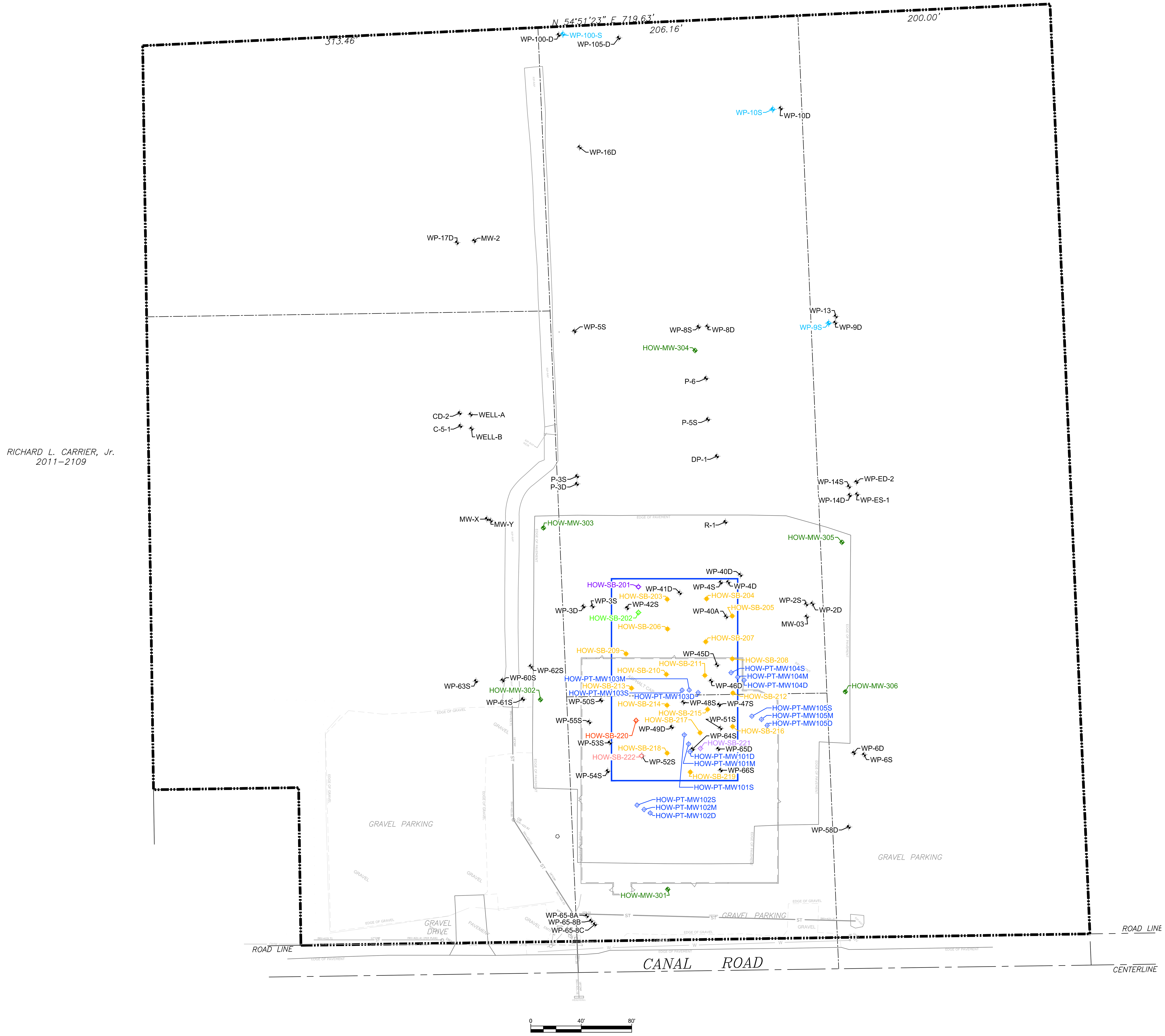
TITLE:

SITE LOCATION MAP

DRAWN BY:	H. DELGADO
CHECKED BY:	J. MAGDA
APPROVED BY:	N. KRANES
DATE:	JULY 2019
PROJ. NO.:	198432
FILE:	Figure 1 - Site Location Map (HOW).dwg

FIGURE 1

8.5x11 --- ATTACHED XREF'S: --- ATTACHED IMAGES: Haz-O-Waste topo_01; Haz-O-Waste topo_02; NY, Oneida, 20160825, TM;
DRAWING NAME: I:\Projects\NYSDEC\Assignments\WA #9 - Haz-O-Waste Design\Figures\TRC Working Drawings\June 2019\ Figure 1 - Site Location Map (HOW).dwg --- PLOT DATE: July 23, 2019 - 11:57AM --- LAYOUT: 8.5x11P

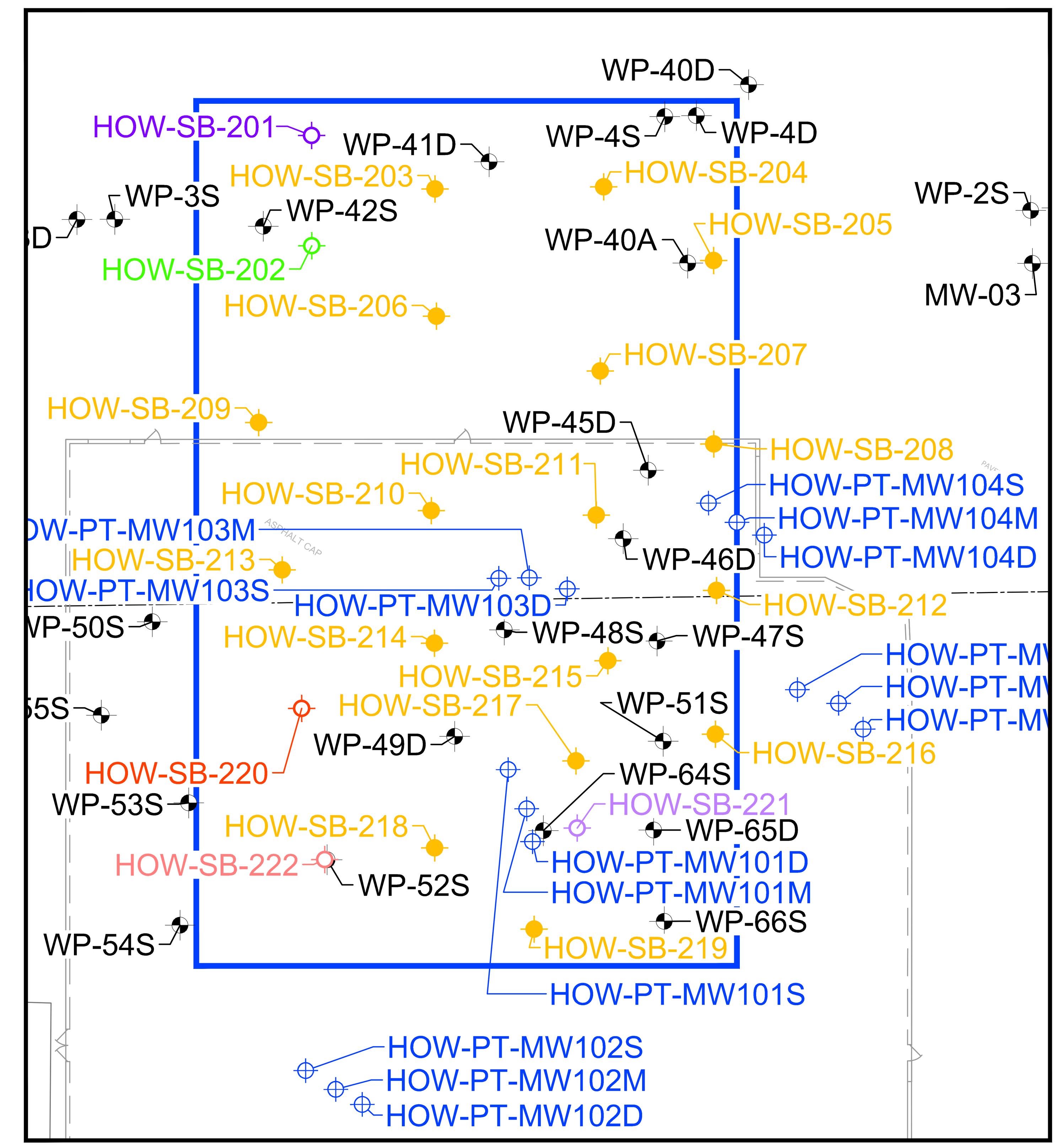


LEGEND (SYMBOLS NOT TO SCALE):

- FORMER BUILDING FOOTPRINT
- LOT BOUNDARY
- SITE BOUNDARY
- SUPPLEMENTAL SOIL INVESTIGATION AREA (2019)
- HOW-PT-MW10XX — EXISTING PILOT TEST GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (2015)
- WP-XX — EXISTING MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- WP/P/DP/C/CD/WELL-XX — FORMER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- HOW-MW-3XX — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (2019)
- HOW-SB-2XX — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 0-30 FEET BGS) (2019)
- HOW-SB-202 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 3-30 FEET BGS) (2019)
- HOW-SB-220 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 6-30 FEET BGS) (2019)
- HOW-SB-222 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 14-30 FEET BGS) (2019)
- HOW-SB-221 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 15-30 FEET BGS) (2019)
- HOW-SB-201 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 19-30 FEET BGS) (2019)

NOTE:

1. BGS - FEET BELOW GROUND SURFACE



SUPPLEMENTAL SOIL INVESTIGATION AREA ENLARGEMENT

0 20' 40'
SCALE: 1" = 20'

SHEET SIZE: 24" BY 36"

PROJECT:	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION HAZ-O-WASTE SITE - NYSDEC SITE NO. 727003 4123 CANAL ROAD LENOX, NEW YORK
TITLE:	SITE LAYOUT AND SUPPLEMENTAL INVESTIGATION AREA
DRAWN BY:	H. DELGADO
CHECKED BY:	J. MAGDA
APPROVED BY:	N. KRANES
DATE:	JULY 2019
PROJ. NO.:	198432
	FIGURE 2
FILE NO.:	Figure 2 - Site Layout & Supp. Inv. Area.dwg

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DRAWING NAME: I:\Projects\NYSDEC\Assignments\WA #9 - Haz-O-Waste Design\Figures\TRC Working Drawings\June 2019\ Figure 2 - Site Layout & Supp. Inv. Area.dwg -- PLOT DATE: July 29, 2019 - 3:46PM -- LAYOUT: (24X36L)
Version: 2017-10-21

LEGEND (SYMBOLS NOT TO SCALE):

- FORMER BUILDING FOOTPRINT
- LOT BOUNDARY
- SITE BOUNDARY
- HOW-PT-MW10XX — PILOT TEST GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (2015)
- HOW-MW-3XX — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (2019)
- (419.19) — GROUNDWATER SURFACE ELEVATION
- 419 — INFERRED GROUNDWATER SURFACE ELEVATION CONTOUR (IN FEET)
- INFERRED GROUNDWATER FLOW DIRECTION

Haz-O-Waste Groundwater Elevation Details - April 2019

Monitoring ID:	Casing Elevation (NAVD 88)	Depth to Water (ft. below TOC)	Groundwater Elevation (NAVD 88)
HOW-MW-301	425.44	4.21	421.23
HOW-MW-302	423.21	2.98	420.23
HOW-MW-303	421.04	2.05	418.99
HOW-MW-304	421.50	2.87	418.63
HOW-MW-305	420.89	1.70	419.19
HOW-MW-306	422.19	2.11	420.08
HOW-PT-101S	423.40	3.34	420.06
HOW-PT-102S	424.41	3.51	420.90
HOW-PT-103S	422.86	3.12	419.74
HOW-PT-104S	422.37	3.07	419.30
HOW-PT-105S	422.90	3.04	419.86

Notes:
TOC - top of casing
vertical datum: North American Vertical Datum of 1988 (NAVD 88)

SHEET SIZE: 24" BY 36"

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAZ-O-WASTE SITE - NYSDEC SITE NO. 727003
4123 CANAL ROAD
LENOX, NEW YORK

TITLE:
SHALLOW GROUNDWATER SURFACE ELEVATIONS AND CONTOURS - APRIL 2019

DRAWN BY:	H. DELGADO	PROJ. NO.:	198432
CHECKED BY:	J. MAGDA	FIGURE 3	
APPROVED BY:	N. KRANES		
DATE:	JULY 2019		

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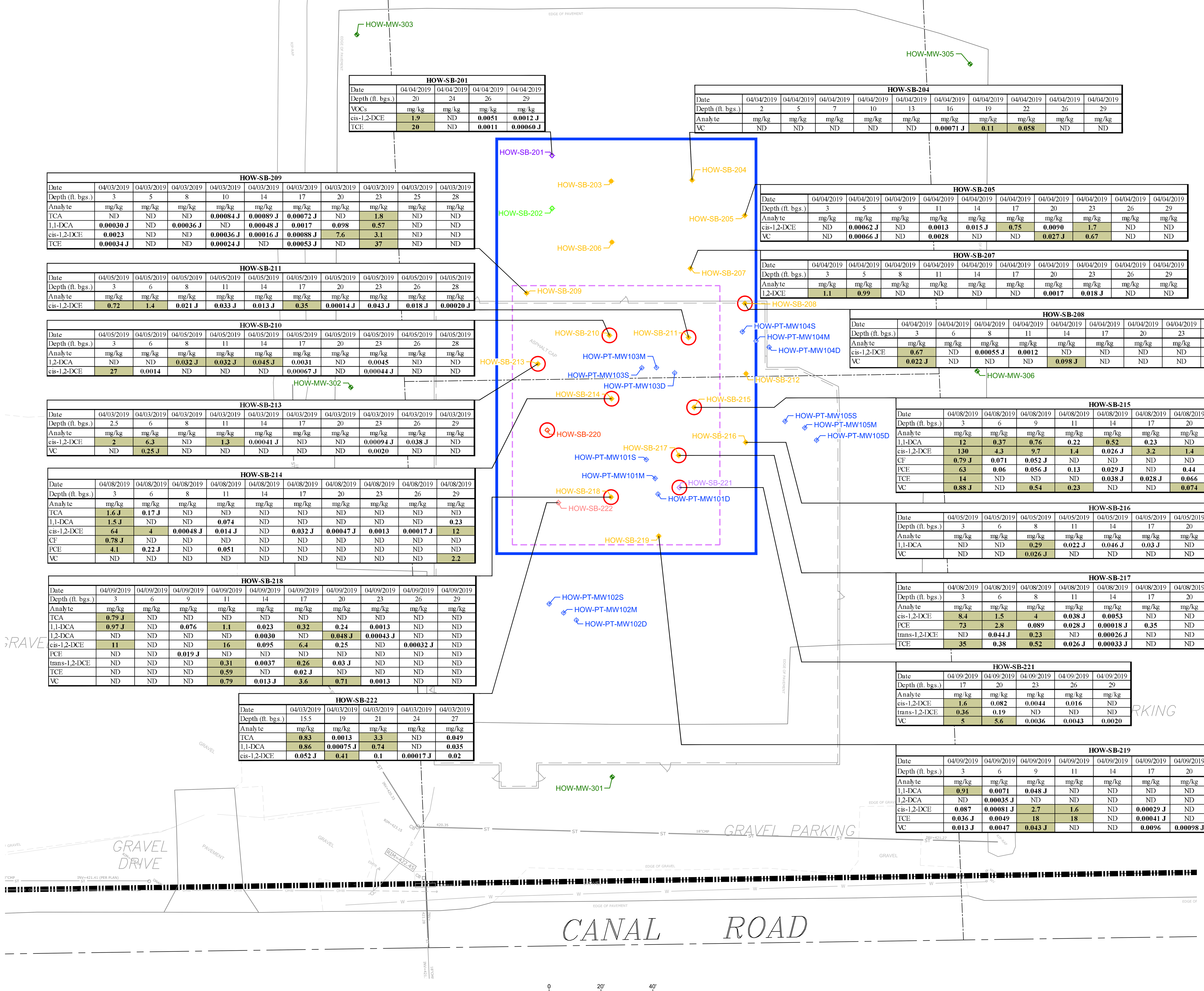
FILE NO.: Figure 3 - Shallow GW Surf. El. and Contours - April 2019.dwg

24x36 --- USER: HDelgado --- ATTACHED XREFS: Haz O Waste FC 9-11-15; Haz-O-Waste-Acad10 (TRC-HD); Haz-O-Waste-Bldg-Acad10 (TRC); 04 25 13 Concentration contours basemap; Points located 6-6-19; 04 2019 GW SURFACE EL CONTOUR BASEMAP --- ATTACHED IMAGES: 2011-04-15 RIReport (page 64); Figure 1 - Proposed Soil Borings and MWs-MTD; Second Injection Array -03.05.18;
DRAWING NAME: I:\Projects\NYSDEC\Assignments\WA #9 - Haz-O-Waste Design\Figures\TRC Working Drawings\June 2019\ Figure 3 - Shallow GW Surf. El. and Contours - April 2019.dwg --- PLOT DATE: July 29, 2019 - 5:01PM --- LAYOUT: Site Plan (24X36L)
Version: 2017-10-21



LEGEND (SYMBOLS NOT TO SCALE):

- FORMER BUILDING FOOTPRINT
- LOT BOUNDARY
- SITE BOUNDARY
- SUPPLEMENTAL SOIL INVESTIGATION AREA (2019)
- HOW-PT-MW10XX — PILOT TEST GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (2015)
- HOW-MW-3XX — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (2019)
- HOW-SB-203 TO HOW-SB-219 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 0-30 FEET BGS) (2019)
- HOW-SB-202 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 3-30 FEET BGS) (2019)
- HOW-SB-220 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 6-30 FEET BGS) (2019)
- HOW-SB-222 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 14-30 FEET BGS) (2019)
- HOW-SB-221 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 15-30 FEET BGS) (2019)
- HOW-SB-201 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 19-30 FEET BGS) (2019)
- BORING LOCATION WITH A PID RESPONSE OF GREATER THAN 100 PPM
- GENERAL AREA OF COMINGLED TEX AND CVOC IMPACTS IN SOIL. GREATEST TEX SOIL IMPACTS TYPICALLY LESS THAN 10 FEET BGS.

NOTES:

1. BGS - FEET BELOW GROUND SURFACE
2. mg/kg - MILLIGRAMS PER KILOGRAM
3. ND - NOT DETECTED
4. J - ESTIMATED CONCENTRATION
5. VALUES IN **BOLD** INDICATE THE COMPOUND WAS DETECTED
6. SHADING INDICATES RESULT ABOVE UNRESTRICTED USE SOIL CLEANUP OBJECTIVE (SCOs)
7. TEX - TOLUENE, ETHYLBENZENE, XYLENES
8. CVOCs - CHLORINATED VOLATILE ORGANIC COMPOUND
9. ONLY CVOCs DETECTED AT CONCENTRATIONS ABOVE UNRESTRICTED USE SCOs ARE SHOWN.
10. PPM - PARTS PER MILLION

Analyte	Unrestricted Use SCOs	Commercial Use SCOs
1,1,1-Trichloroethane (TCA)	0.68	500
1,1-Dichloroethane (1,1-DCA)	0.27	240
1,2-Dichloroethane (1,2-DCA)	0.02	30
cis-1,2-Dichloroethene (cis-1,2-DCE)	0.25	500
Chloroform (CF)	0.37	350
Tetrachloroethene (PCE)	1.3	150
trans-1,2-Dichloroethene (trans-1,2-DCE)	0.19	500
Trichloroethene (TCE)	0.47	200
Vinyl chloride (VC)	0.02	13

HOW-SB-201

Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs.)	20	24	26	29
VOCs	mg/kg	mg/kg	mg/kg	mg/kg
cis-1,2-DCE	**1.9**	ND	**0.0051**	**0.0012 J**
TCE	**20**	ND	**0.0011**	**0.00060 J**

HOW-SB-204

Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs.)	2	5	7	10	13	16	19	22	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VC	ND	ND	ND	ND	ND	**0.00071 J**	**0.11**	**0.058**	ND	ND

HOW-SB-209

Date	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019
Depth (ft. bgs.)	3	5	8	10	14	17	20	23	25	28
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TCA	ND	ND	ND	**0.00084 J**	**0.00089 J**	**0.00072 J**	ND	**1.8**	ND	ND
1,1-DCA	**0.00030 J**	ND	**0.00036 J**	ND	**0.00048 J**	**0.0017**	**0.098**	**0.57**	ND	ND
cis-1,2-DCE	**0.0023**	ND	ND	**0.00036 J**	**0.00016 J**	**0.00088 J**	**7.6**	**3.1**	ND	ND
TCE	**0.00034 J**	ND	ND	**0.00024 J**	ND	**0.00053 J**	ND	**37**	ND	ND

HOW-SB-205

Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs.)	3	5	9	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
cis-1,2-DCE	ND	**0.00062 J**	ND	**0.0013**	**0.015 J**	**0.75**	**0.0090**	**1.7**	ND	ND
VC	ND	**0.00066 J**	ND	**0.0028**	ND	ND	**0.027 J**	**0.67**	ND	ND

HOW-SB-211

Date	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019
Depth (ft. bgs.)	3	6	8	11	14	17	20	23	26	28
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
cis-1,2-DCE	**0.72**	**1.4**	**0.021 J**	**0.033 J**	**0.013 J**	**0.35**	**0.00014 J**	**0.043 J**	**0.018 J**	**0.00020 J**

HOW-SB-207

Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs.)	3	5	8	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,2-DCE	**1.1**	**0.99**	ND	ND	ND	ND	**0.0017**	**0.018 J**	ND	ND

HOW-SB-208

Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs.)	3	6	8	11	14	17	20	23	27	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
cis-1,2-DCE	**0.67**	ND	**0.00055 J**	**0.0012**	ND	ND	ND	ND	ND	**0.00024 J**
VC	**0.022 J**	ND	ND	ND	**0.098 J**	ND	ND	ND	**0.00062 J**	**0.00068 J**

HOW-SB-210

Date	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019
Depth (ft. bgs.)	3	6	8	11	14	17	20	23	26	28
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,2-DCA	ND	ND	**0.032 J**	**0.032 J**	**0.045 J**	**0.0031**	ND	**0.0045**	ND	ND
cis-1,2-DCE	**27**	**0.0014**	ND	ND	ND	**0.00067 J**	ND	**0.00044 J**	ND	ND

HOW-SB-213

Date	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019
Depth (ft. bgs.)	2.5	6	8	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
cis-1,2-DCE	**2**	**6.3**	ND	**1.3**	**0.00041 J**	ND	ND	**0.00094 J**	**0.038 J**	ND
VC	ND	**0.25 J**	ND	ND	ND	ND	ND	**0.0020**	ND	ND

HOW-SB-215

Date	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019
Depth (ft. bgs.)	3	6	9	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,1-DCA	**12**	**0.37**	**0.76**	**0.22**	**0.52**	**0.23**	ND	ND	ND	ND
cis-1,2-DCE	**130**	**4.3**	**9.7**	**1.4**	**0.026 J**	**3.2**	**1.4**	**0.0043**	**0.00020 J**	**0.00017 J**
CF	**0.79 J**	**0.071**	**0.052 J**	ND	ND	ND	ND	ND	ND	ND
PCE	**63**	**0.06**	**0.056 J**	**0.13**	**0.029 J**	ND	**0.44**	ND	ND	ND
TCE	**14**	ND	ND	ND	**0.038 J**	**0.028 J**	**0.066**	ND	ND	ND
VC	**0.88 J**	ND	**0.54**	**0.23**	ND	ND	**0.074**	**0.016**	ND	**0.00056 J**

HOW-SB-214

Date	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019
Depth (ft. bgs.)	3	6	8	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TCA	**1.6 J**	**0.17 J**	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DCA	**1.5 J**	ND	ND	**0.074**	ND	ND	ND	ND	ND	**0.23**
cis-1,2-DCE	**64**	**4**	**0.00048 J**	**0.014 J**	ND	**0.032 J**	**0.00047 J**	**0.0013**	**0.00017 J**	**12**
CF	**0.78 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCE	**4.1**	**0.22 J**	ND	**0.051**	ND	ND	ND	ND	ND	ND
VC	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.2**

HOW-SB-216

Date	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/08/2019	04/08/2019	04/08/2019
Depth (ft. bgs.)	3	6	8	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,1-DCA	ND	ND	**0.29**	**0.022 J**	**0.046 J**	**0.03 J**	ND	ND	ND	ND
VC	ND	ND	**0.026 J**	ND	ND	ND	ND	ND	ND	ND

HOW-SB-218

Date	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019
Depth (ft. bgs.)	3	6	9	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TCA	**0.79 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DCA	**0.97 J**	ND	**0.076**	**1.1**	**0.023**	**0.32**	**0.24**	**0.0013**	ND	ND
1,2-DCA	ND	ND	ND	ND	**0.0030**	ND	**0.048 J**	**0.00043 J**	ND	ND
cis-1,2-DCE	**11**	ND	ND	**16**	**0.095**	**6.4**	**0.25**	ND	**0.00032 J**	ND
PCE	ND	ND	**0.019 J**	ND	ND	ND	ND	ND	ND	ND
trans-1,2-DCE	ND	ND	ND	**0.31**	**0.0037**	**0.26**	**0.03 J**	ND	ND	ND
TCE	ND	ND	ND	**0.59**	ND	**0.02 J**	ND	ND	ND	ND
VC	ND	ND	ND	**0.79**	**0.013 J**	**3.6**	**0.71**	**0.0013**	ND	ND

HOW-SB-217

Date	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019
Depth (ft. bgs.)	3	6	8	11	14	17	20	23	26	28
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
cis-1,2-DCE	**8.4**	**1.5**	**4**	**0.038 J**	**0.0053**	ND	ND	**0.0022**	**0.00030 J**	**0.00030 J**
PCE	**73**	**2.8**	**0.089**	**0.028 J**	**0.00018 J**	**0.35**	ND	**0.0045**	**0.00025 J**	ND
trans-1,2-DCE	ND	**0.044 J**	**0.23**	ND	**0.00026 J**	ND	ND	ND	ND	ND
TCE	**35**	**0.38**	**0.52**	**0.026 J**	**0.00033 J**	ND	ND	**0.00079 J**	ND	ND

HOW-SB-221

Date	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019
Depth (ft. bgs.)	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
cis-1,2-DCE	**1.6**	**0.082**	**0.0044**	**0.016**	ND
trans-1,2-DCE	**0.36**	**0.19**	ND	ND	ND
VC	**5**	**5.6**	**0.0036**	**0.0043**	**0.0020**

HOW-SB-222

Date	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019
Depth (ft. bgs.)	15.5	19	21	24	27
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TCA	**0.83**	**0.0013**	**3.3**	ND	**0.049**
1,1-DCA	**0.86**	**0.00075 J**	**0.74**	ND	**0.035**
cis-1,2-DCE	**0.052 J**	**0.41**	**0.1**	**0.00017 J**	**0.02**

HOW-SB-219

Date	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019
Depth (ft. bgs.)	3	6	9	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,1-DCA	**0.91**	**0.0071**	**0.048 J**	ND	ND	ND	ND	ND	ND	ND
1,2-DCA	ND	**0.00035 J**	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-DCE	**0.087**	**0.00081 J**	**2.7**	**1.6**	ND	**0.00029 J**	ND	ND	**0.00027 J**	**0.00032 J**
TCE	**0.036 J**	**0.0049**	**18**	**18**	ND	**0.00041 J**	ND	ND	ND	ND
VC	**0.013 J**	**0.0047**	**0.043 J**	ND	ND	**0.0096**	**0.00098 J**	ND	**0.00068 J**	**0.0033**

SHEET SIZE: 24" BY 36"

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAZ-O-WASTE SITE - NYSDEC SITE NO. 727003
4123 CANAL ROAD
LENOX, NEW YORK

TITLE:
CHLORINATED VOLATILE ORGANIC COMPOUNDS IN SOIL - APRIL 2019

DRAWN BY:	H. DELGADO	PROJ. NO.:	198432
CHECKED BY:	J. MAGDA		
APPROVED BY:	N. KRANES	FIGURE 4	
DATE:	JULY 2019		

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FILE NO.: Figure 4 - CVOCs in Soil - April 2019.dwg

HOW-SB-201				
Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs)	20	24	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND
Toluene	**0.66**	ND	ND	ND
Xylenes, total	ND	ND	ND	ND

HOW-SB-202									
Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs)	5	8	11	14	17	20	24	27	31
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	**0.00056 J**	**0.00026 J**	ND	**0.00043 J**	ND	ND	**0.00044 J**	**0.00032 J**	ND
Ethylbenzene	ND	ND	**0.096**	ND	**0.00024 J**	ND	ND	ND	ND
Toluene	**0.00093 J**	**0.0011**	**0.033 J**	ND	**0.0010**	ND	ND	**0.0010**	ND
Xylenes, total	**0.00045 J**	**0.0014 J**	**1.1**	ND	**0.0013 J**	ND	ND	**0.0011 J**	ND

HOW-SB-206										
Date	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019
Depth (ft. bgs)	3	5	8	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	**0.00036 J**	**0.00044 J**	ND	ND	ND	ND	ND	ND
Ethylbenzene	**0.8**	**0.53**	**0.00028 J**	ND	ND	**0.065**	ND	ND	ND	ND
Toluene	**8**	**4.8**	**0.0024**	**0.0020**	ND	**0.21**	ND	**0.0018**	**0.0012**	**0.0017**
Xylenes, total	**3.6**	**2.3**	**0.038**	**0.0040**	ND	**3.9**	ND	**0.00049 J**	ND	ND

HOW-SB-209										
Date	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019
Depth (ft. bgs)	3	5	8	10	14	17	20	23	25	28
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	**0.00050 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**0.0010 J**	ND	ND	**0.00078 J**	**0.00085 J**	**0.00095**	ND	ND	ND	ND
Toluene	**0.0068**	**0.058 J**	ND	ND	ND	ND	ND	**1.2**	ND	ND
Xylenes, total	**0.033**	**1.6**	**0.0031**	**0.0017 J**	**0.0023**	**0.0021**	**0.033 J**	ND	ND	ND

HOW-SB-210										
Date	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019
Depth (ft. bgs)	3	6	8	11	14	17	20	23	26	28
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	**0.00079 J**	ND	ND	ND	**0.00042 J**	ND	**0.00038 J**	ND	ND
Ethylbenzene	**230**	**0.0014**	**0.062**	**0.12**	**0.22**	**0.0027**	ND	**0.00047 J**	ND	ND
Toluene	**2,700**	**0.037**	**0.06**	**0.52**	**0.062**	**0.017**	ND	**.0014**	ND	**0.00080**
Xylenes, total	**960**	**0.0031**	**9.6**	**5.6**	**0.91**	**0.013**	ND	**0.0030**	ND	ND

HOW-SB-213										
Date	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019
Depth (ft. bgs)	2.5	6	8	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	**0.00095 J**	**0.00036 J**	ND	ND	ND	ND
Ethylbenzene	**71**	**20**	**0.22**	**18**	**0.00059 J**	**0.0020**	ND	**0.00023 J**	**1.5**	ND
Toluene	**260**	**160**	**0.054 J**	**88**	**0.0029**	**0.0014**	ND	**0.0016**	**4.6**	ND
Xylenes, total	**420**	**86**	**18**	**100**	**0.0039**	**0.01**	ND	**0.00080 J**	**8.6**	ND

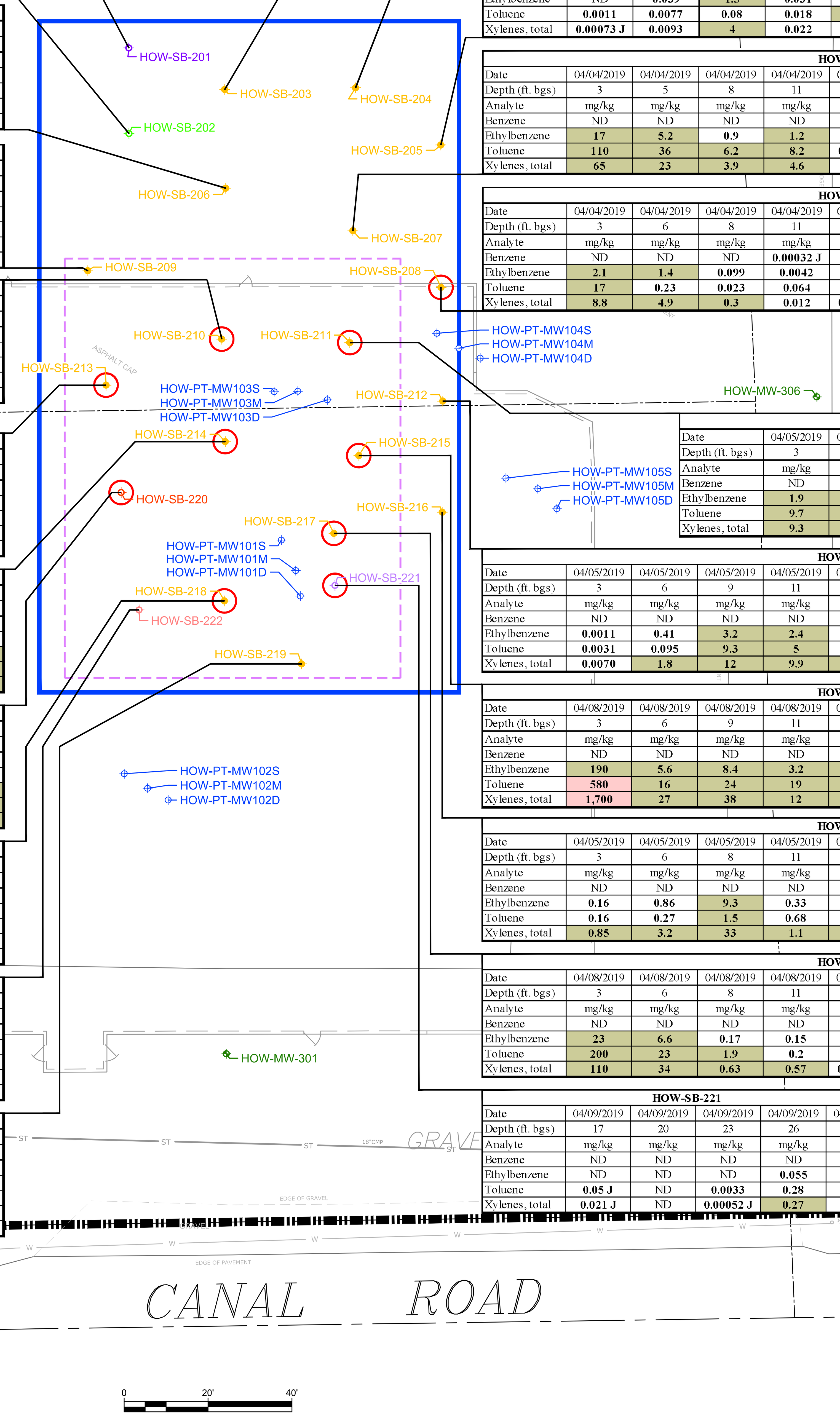
HOW-SB-214										
Date	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019
Depth (ft. bgs)	3	6	8	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**110**	**29**	ND	**1.2**	**7.2**	**0.044 J**	**0.00041 J**	**0.00044 J**	ND	**7.2**
Toluene	**560**	**70**	**0.00065 J**	**3.5**	**5.1**	**0.068**	**0.0020**	**0.0040**	ND	**22**
Xylenes, total	**640**	**160**	**0.00021 J**	**1.9**	**36**	**0.11**	**0.0022**	**0.0022**	ND	**39**

HOW-SB-220							
Date	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019
Depth (ft. bgs)	6	10	13.5	17	20	24	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	**0.0037**	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	**15**	ND	ND	**8.3**
Toluene	**0.066 J**	ND	ND	**95**	**0.0020**	ND	**52**
Xylenes, total	**0.16**	ND	ND	**53**	**0.00047 J**	ND	**31**

HOW-SB-218										
Date	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019
Depth (ft. bgs)	3	6	9	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**86**	**0.26**	**9.8**	ND	ND	**0.19**	ND	ND	**0.00051 J**	ND
Toluene	**70**	**0.43**	**0.066**	ND	ND	**0.26**	ND	ND	**0.00089 J**	ND
Xylenes, total	**470**	**0.97**	**3.5**	**0.026 J**	ND	**0.76**	ND	ND	**0.0023**	ND

HOW-SB-222					
Date	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019
Depth (ft. bgs)	15.5	19	21	24	27
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND
Ethylbenzene	**9.2**	ND	**3.7**	ND	**0.0089**
Toluene	**0.11**	ND	**0.065 J**	ND	ND
Xylenes, total	**9.8**	ND	**2.5**	ND	**0.0058**

HOW-SB-219										
Date	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019
Depth (ft. bgs)	3	6	9	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**0.91**	**0.00024 J**	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**0.35**	**0.00060 J**	**0.043 J**	ND	ND	ND	ND	ND	ND	ND
Xylenes, total	**2.6**	**0.00052 J**	**0.027 J**	ND	ND	ND	ND	ND	ND	ND



HOW-SB-203										
Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs)	3	6	9	10	14	16	19	22	25	28
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	**0.00060 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**0.0073**	**0.86**	**0.12**	**0.03 J**	**0.093**	**0.045 J**	ND	ND	ND	ND
Toluene	**0.02**	**0.67**	**0.088**	**0.029 J**	**0.048 J**	**0.073**	ND	ND	ND	ND
Xylenes, total	**0.014**	**3.9**	**9.4**	**3.6**	**3.5**	**2.1**	ND	ND	ND	ND

HOW-SB-204										
Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs)	2	5	7	10	13	16	19	22	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND	**0.00065 J**	ND	ND	ND	ND
Ethylbenzene	ND	**0.23**	**1.6**	**0.67**	**3.1**	ND	ND	ND	**3.1**	ND
Toluene	**0.0027**	**1**	**10**	**0.56**	**1.4**	**0.0043**	ND	ND	**1.4**	ND
Xylenes, total	**0.0012 J**	**0.85**	**7.1**	**2.9**	**11**	ND	ND	ND	**12**	ND

HOW-SB-205										
Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs)	3	5	9	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	**0.00025 J**	ND	**0.00030 J**	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	**0.039**	**1.5**	**0.031**	**0.043 J**	ND	ND	ND	ND	ND
Toluene	**0.0011**	**0.0077**	**0.08**	**0.018**	**3**	ND	ND	ND	**0.00065 J**	ND
Xylenes, total	**0.00073 J**	**0.0093**	**4**	**0.022**	**0.16**	**0.022 J**	ND	ND	ND	ND

HOW-SB-207										
Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs)	3	5	8	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**17**	**5.2**	**0.9**	**1.2**	ND	ND	ND	**0.36**	**0.00049 J**	ND
Toluene	**110**	**36**	**6.2**	**8.2**	**0.00070 J**	ND	ND	**2.3**	**0.0089**	ND
Xylenes, total	**65**	**23**	**3.9**	**4.6**	ND	ND	ND	**1.4**	**0.0016**	ND

HOW-SB-208										
Date	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Depth (ft. bgs)	3	6	8	11	14	17	20	23	27	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	**0.00032 J**	ND	ND	ND	ND	ND	ND
Ethylbenzene	**2.1**	**1.4**	**0.099**	**0.0042**	ND	ND	ND	ND	ND	ND
Toluene	**17**	**0.23**	**0.023**	**0.064**	ND	ND	ND	ND	**0.0017**	ND
Xylenes, total	**8.8**	**4.9**	**0.3**	**0.012**	**0.00030 J**	ND	ND	ND	**0.00090 J**	**0.00037 J**

HOW-SB-211										
Date	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019
Depth (ft. bgs)	3	6	8	11	14	17	20	23	26	28
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND	ND	**0.00067 J**	ND	ND	ND
Ethylbenzene	**1.9**	**1.1**	**7.1**	**1.6**	**2.2**	**5.3**	ND	**0.081**	**0.28**	ND
Toluene	**9.7**	**6**	**26**	**9.5**	**9**	**19**	ND	**0.39**	**0.94**	**0.0016**
Xylenes, total	**9.3**	**5.3**	**27**	**7**	**8.4**	**22**	ND	**0.37**	**1.1**	**0.00043 J**

HOW-SB-212										
Date	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019
Depth (ft. bgs)	3	6	9	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**0.0011**	**0.41**	**3.2**	**2.4**	**0.5**	**2.8**	ND	ND	ND	ND
Toluene	**0.0031**	**0.095**	**9.3**	**5**	**0.23**	**6**	ND	**0.00073 J**	ND	ND
Xylenes, total	**0.0070**	**1.8**	**12**	**9.9**	**1.5**	**11**	ND	ND	ND	ND

HOW-SB-215										
Date	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019
Depth (ft. bgs)	3	6	9	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**190**	**5.6**	**8.4**	**3.2**	**1.8**	**0.2**	**6.6**	**0.00079 J**	ND	ND
Toluene	**580**	**16**	**24**	**19**	**22**	**0.71**	**0.084**	**0.0037**	ND	ND
Xylenes, total	**1,700**	**27**	**38**	**12**	**5.8**	**0.8**	**27**	**0.0036**	ND	**0.00045 J**

HOW-SB-216										
Date	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/08/2019	04/08/2019	04/08/2019
Depth (ft. bgs)	3	6	8	11	14	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**0.16**	**0.86**	**9.3**	**0.33**	**0.59**	**1.5**	ND	ND	ND	ND
Toluene	**0.16**	**0.27**	**1.5**	**0.68**	**0.12**	**0.2**	ND	ND	ND	ND
Xylenes, total	**0.85**	**3.2**	**33**	**1.1**	**2.3**	**5.1**	ND	ND	ND	ND

HOW-SB-217										
Date	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019
Depth (ft. bgs)	3	6	8	11	14	17	20	23	26	28
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**23**	**6.6**	**0.17**	**0.15**	ND	**0.44**	ND	**0.0095**	**0.00043 J**	ND
Toluene	**200**	**23**	**1.9**	**0.2**	**0.0025**	**0.16**	ND	**0.016**	**0.0018**	ND
Xylenes, total	**110**	**34**	**0.63**	**0.57**	**0.00092 J**	**1.7**	ND	**0.036**	**0.0018 J**	ND

HOW-SB-221					
Date	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019
Depth (ft. bgs)	17	20	23	26	29
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	**0.055**	ND
Toluene	**0.05 J**	ND	**0.0033**	**0.28**	ND
Xylenes, total	**0.021 J**	ND	**0.00052 J**	**0.27**	ND

LEGEND (SYMBOLS NOT TO SCALE):

- FORMER BUILDING FOOTPRINT
- LOT BOUNDARY
- SITE BOUNDARY
- SUPPLEMENTAL SOIL INVESTIGATION AREA (2019)
- HOW-PT-MW10XX — PILOT TEST GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (2015)
- HOW-MW-3XX — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (2019)
- HOW-SB-203 TO HOW-SB-219 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 0-30 FEET BGS) (2019)
- HOW-SB-202 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 3-30 FEET BGS) (2019)
- HOW-SB-220 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 6-30 FEET BGS) (2019)
- HOW-SB-222 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 14-30 FEET BGS) (2019)
- HOW-SB-221 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 15-30 FEET BGS) (2019)
- HOW-SB-201 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 19-30 FEET BGS) (2019)
- BORING LOCATION WITH A PID RESPONSE OF GREATER THAN 100 PPM
- GENERAL AREA OF COMINGLED TEX AND CVOC IMPACTS IN SOIL. GREATEST TEX SOIL IMPACTS TYPICALLY LESS THAN 10 FEET BGS.

NOTES:

1. BGS - FEET BELOW GROUND SURFACE
2. mg/kg - MILLIGRAMS PER KILOGRAM
3. ND - NOT DETECTED
4. J - ESTIMATED CONCENTRATION
5. VALUES IN **BOLD** INDICATE THE COMPOUND WAS DETECTED
6. GREEN SHADING INDICATES RESULT ABOVE UNRESTRICTED USE SOIL CLEANUP OBJECTIVE (SCOs)
7. PINK SHADING INDICATES RESULT ABOVE COMMERCIAL USE SOIL CLEANUP OBJECTIVE (SCOs)
8. BTEX - BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
9. CVOC - CHLORINATED VOLATILE ORGANIC COMPOUND
10. PPM - PARTS PER MILLION

Analyte	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)
Benzene	0.06	44
Ethylbenzene	1	390
Toluene	0.7	500
Xylenes, total	0.26	500

SHEET SIZE: 24" BY 36"

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAZ-O-WASTE SITE - NYSDEC SITE NO. 727003
4123 CANAL ROAD
LENOX, NEW YORK

TITLE:
BTEX COMPOUNDS IN SOIL - APRIL 2019

DRAWN BY:	H. DELGADO	PROJ. NO.:	198432
CHECKED BY:	J. MAGDA		
APPROVED BY:	N. KRANES	FIGURE 5	
DATE:	AUGUST 2019		

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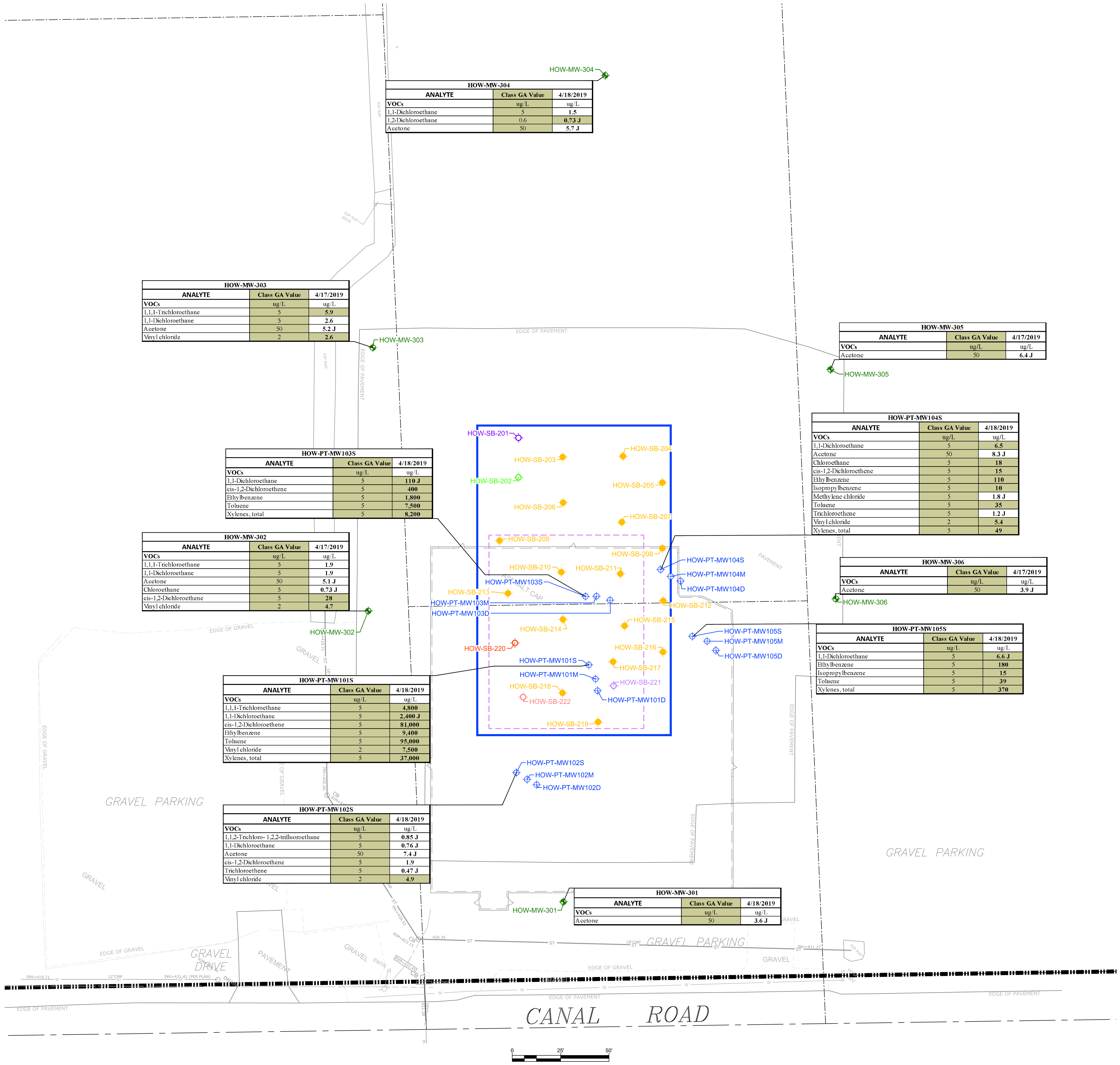
FILE NO.: Figure X - BTEXs Compounds in Soil - April 2019.dwg

DRAWING NAME: I:\Projects\NYSDEC\Assignments\WA #9 - Haz-O-Waste Design\Figures\TRC Working Drawings\June 2019\ Figure X - BTEXs Compounds in Soil - April 2019.dwg --- PLOT DATE: August 08, 2019 - 12:47PM --- LAYOUT: (24X36L)



HOW-MW-304		
ANALYTE	Class GA Value	4/18/2019
VOCs	ug/L	ug/L
1,1-Dichloroethane	5	**1.5**
1,2-Dichloroethane	0.6	**0.73 J**
Acetone	50	**5.7 J**

HOW-MW-303		
ANALYTE	Class GA Value	4/17/2019
VOCs	ug/L	ug/L
1,1,1-Trichloroethane	5	**5.9**
1,1-Dichloroethane	5	**2.6**
Acetone	50	**5.2 J**
Vinyl chloride	2	**2.6**

HOW-PT-MW103S		
ANALYTE	Class GA Value	4/18/2019
VOCs	ug/L	ug/L
1,1-Dichloroethane	5	**110 J**
cis-1,2-Dichloroethene	5	**400**
Ethylbenzene	5	**1,800**
Toluene	5	**7,500**
Xylenes, total	5	**8,200**

HOW-MW-302		
ANALYTE	Class GA Value	4/17/2019
VOCs	ug/L	ug/L
1,1,1-Trichloroethane	5	**1.9**
1,1-Dichloroethane	5	**1.9**
Acetone	50	**5.1 J**
Chloroethane	5	**0.73 J**
cis-1,2-Dichloroethene	5	**28**
Vinyl chloride	2	**4.7**

HOW-PT-MW101S		
ANALYTE	Class GA Value	4/18/2019
VOCs	ug/L	ug/L
1,1,1-Trichloroethane	5	**4,800**
1,1-Dichloroethane	5	**2,400 J**
cis-1,2-Dichloroethene	5	**81,000**
Ethylbenzene	5	**9,400**
Toluene	5	**95,000**
Vinyl chloride	2	**7,500**
Xylenes, total	5	**37,000**

HOW-PT-MW102S		
ANALYTE	Class GA Value	4/18/2019
VOCs	ug/L	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	5	**0.85 J**
1,1-Dichloroethane	5	**0.76 J**
Acetone	50	**7.4 J**
cis-1,2-Dichloroethene	5	**1.9**
Trichloroethene	5	**0.47 J**
Vinyl chloride	2	**4.9**

HOW-MW-301		
ANALYTE	Class GA Value	4/18/2019
VOCs	ug/L	ug/L
Acetone	50	**3.6 J**

HOW-MW-305		
ANALYTE	Class GA Value	4/17/2019
VOCs	ug/L	ug/L
Acetone	50	**6.4 J**

HOW-PT-MW104S		
ANALYTE	Class GA Value	4/18/2019
VOCs	ug/L	ug/L
1,1-Dichloroethane	5	**6.5**
Acetone	50	**8.3 J**
Chloroethane	5	**18**
cis-1,2-Dichloroethene	5	**15**
Ethylbenzene	5	**110**
Isopropylbenzene	5	**10**
Methylene chloride	5	**1.8 J**
Toluene	5	**35**
Trichloroethene	5	**1.2 J**
Vinyl chloride	2	**5.4**
Xylenes, total	5	**49**

HOW-MW-306		
ANALYTE	Class GA Value	4/17/2019
VOCs	ug/L	ug/L
Acetone	50	**3.9 J**

HOW-PT-MW105S		
ANALYTE	Class GA Value	4/18/2019
VOCs	ug/L	ug/L
1,1-Dichloroethane	5	**6.6 J**
Ethylbenzene	5	**180**
Isopropylbenzene	5	**15**
Toluene	5	**39**
Xylenes, total	5	**370**

LEGEND (SYMBOLS NOT TO SCALE):

- FORMER BUILDING FOOTPRINT
- LOT BOUNDARY
- SITE BOUNDARY
- SUPPLEMENTAL SOIL INVESTIGATION AREA (2019)
- HOW-PT-MW10XX — PILOT TEST GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (2015)
- HOW-MW-3XX — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (2019)
- HOW-SB-203 TO HOW-SB-219 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 0-30 FEET BGS) (2019)
- HOW-SB-202 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 3-30 FEET BGS) (2019)
- HOW-SB-220 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 6-30 FEET BGS) (2019)
- HOW-SB-222 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 14-30 FEET BGS) (2019)
- HOW-SB-221 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 15-30 FEET BGS) (2019)
- HOW-SB-201 — DIRECT PUSH SOIL BORING LOCATION AND IDENTIFICATION NUMBER (INVESTIGATION RANGE 19-30 FEET BGS) (2019)
- GENERAL AREA OF COMINGLED TEX AND CVOC IMPACTS IN SOIL. GREATEST TEX SOIL IMPACTS TYPICALLY LESS THAN 10 FEET BGS.

NOTES:

1. BGS - FEET BELOW GROUND SURFACE
2. J - ESTIMATED CONCENTRATION
3. µg/L - MICROGRAMS PER LITER
4. VALUES IN **BOLD** INDICATE THE COMPOUND WAS DETECTED.
5. SHADING INDICATES RESULT ABOVE CLASS GA VALUE.
6. CLASS GA VALUE - NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER.
7. TOTAL VOLATILE ORGANIC COMPOUNDS (VOCs) VALUES DO NOT INCLUDE TENTATIVELY IDENTIFIED COMPOUNDS (TICs).
8. TEX - TOLUENE, ETHYLBENZENE, AND XYLENES
9. CVOC - CHLORINATED VOLATILE ORGANIC COMPOUND
10. ONLY COMPOUNDS DETECTED ARE SHOWN.

MW ID	Total VOCs January 2017	Total VOCs December 2017	Total VOCs April 2018
	µg/L	µg/L	µg/L
HOW-MW-101S	254,380	193,356	188,110
HOW-MW-101M	13.67	344.83	Not Sampled
HOW-MW-101D	11.59	193.631	Not Sampled
HOW-MW-102S	26	86.88	Not Sampled
HOW-MW-102M	Non-Detect	26.34	Not Sampled
HOW-MW-102D	Non-Detect	0.27	Not Sampled
HOW-MW-103S	12,930	13,530.80	16,293.90
HOW-MW-103M	286.94	55.2	Not Sampled
HOW-MW-103D	Non-Detect	3.71	Not Sampled
HOW-MW-104S	4,930	1,485.85	1,353.70
HOW-MW-104M	10.49	21.28	Not Sampled
HOW-MW-104D	360.5	306.75	Not Sampled
HOW-MW-105S	678.5	509.2	656.5
HOW-MW-105M	Non-Detect	1.83	Not Sampled
HOW-MW-105D	Non-Detect	Non-Detect	Not Sampled

SHEET SIZE: 24" BY 36"

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAZ-O-WASTE SITE - NYSDEC SITE NO. 727003
4123 CANAL ROAD
LENOX, NEW YORK

TITLE:
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER - APRIL 2019

DRAWN BY:	H. DELGADO	PROJ. NO.:	198432
CHECKED BY:	J. MAGDA	FIGURE 6	
APPROVED BY:	N. KRANES		
DATE:	JULY 2019		

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FILE NO.: Figure 5 - VOCs in GW - April 2019.dwg

ATTACHMENT B

BORING LOGS

TRC
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BORING NUMBER HOW-SB-201

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/4/19 **COMPLETED** 4/4/19
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	70	ML		(ML) 2 ft of fill, gravel/soil Tight brown silt, dry, soft fine sand at 5'	PID = 0
5	ST	30	SW		(SW) Loose, dark fine/medium sand, wet ▽	PID = 0
10	ST	27	SW		(SW) Loose, dark fine/medium sand, wet Dry at 14'	PID = 0
15	ST	20	SW		(SW) Loose, dark fine/medium sand, wet Wet, moist at 19', PID reading at 20'	PID = 3.4
20	ST	18	SW		(SW) Loose, dark fine/medium sand, wet	PID = 0
25	ST	14	SW		(SW) Loose, dark fine/medium sand, wet Till at 29'	PID = 0
30					Bottom of borehole at 30.0 feet.	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-202

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/4/19 **COMPLETED** 4/4/19
GROUND ELEVATION **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 18" of asphalt / fill 18" of light brown silt	PID = 0
5					5.0	
	ST	35	ML		(ML) Tight brown silt / wet ▽ transition to silty fine/medium sand	PID = 0
10					10.0	
	ST	30	SW-SM		(SW-SM) Silty fine / medium sand Dark sandy silt at 14'	PID = 0
15					15.0	
	ST	20	SW		(SW) Dark wet fine sand, loose	PID = 0
20					20.0	
	ST	18	SW		(SW) Dark wet fine sand, loose Transition to silty sand at 24'	PID = 0
25					25.0	
	ST	15	SM		(SM) Dark silty fine sand, very wet	PID = 0
30					30.0	
	ST	3	SM		(SM) Till at 31.5'	PID = 0
35					35.0	

Bottom of borehole at 35.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-203

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/4/19 **COMPLETED** 4/4/19
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	50	ML		(ML) 18" Fill 1' Tight brown silty, dry	PID = 0
5					5.0	
	ST	30	SW		(SW) Loose fine/medium sand, wet ▽	PID = 3.7
10					10.0	
	ST	27	SW		(SW) Loose fine/medium sand, wet	PID = 2.8
15					15.0	
	ST	23	SW		(SW) Loose fine/medium sand, wet Tight at 19'	PID = 0.6
20					20.0	
	ST	16	SW		(SW) Loose fine/medium sand, wet	PID = 0
25					25.0	
	ST	12	SW		(SW) Loose fine/medium sand, wet Till at 30'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-204

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/4/19 **COMPLETED** 4/4/19
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	70	SM		(SM) 2' Fill 1.5' Tight brown silty sand	PID = 0.8
5					5.0	
	ST	40	SW		(SW) Dark fine/medium sand, wet ▽	PID = 18.9
10					10.0	
	ST	25	SW		(SW) Dark fine/medium sand, wet	PID = 1.8
15					15.0	
	ST	20	SW		(SW) Dark fine/medium sand, wet, soft	PID = 0
20					20.0	
	ST	18	SW		(SW) Dark fine/medium sand, wet, soft	PID = 0.6
25					25.0	
	ST	13	SW		(SW) Dark fine/medium sand, wet, soft Till at 30'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

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BORING NUMBER HOW-SB-205

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/4/19 **COMPLETED** 4/4/19
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' Fill 1' Tight brown silt	PID = 0
5					5.0	
	ST	35	SW-SM		(SW-SM) Light brown fine sand ▽ Dark fine/medium sand, wet	PID = 0
10					10.0	
	ST	20	SW		(SW) Dark fine/medium sand, wet	PID = 0
15					15.0	
	ST	23	SW		(SW) Dark fine/medium sand, wet	PID = 0
20					20.0	
	ST	18	SW		(SW) Dark fine/medium sand, wet	PID = 0
25					25.0	
	ST	15	SW		(SW) Dark fine/medium sand, wet Till at 27'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-206

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/5/19 **COMPLETED** 4/5/19
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' Fill 1' Tight brown silt	PID = 0.4
5					5.0	
	ST	30	SW		(SW) Dark fine/medium sand, wet ▽	PID = 10.6
10					10.0	
	ST	20	SW		(SW) Dark fine/medium sand, wet	PID = 0
15					15.0	
	ST	23	SW-SM		(SW-SM) Dark fine/medium sand, wet Tight silt/fine sand at 20'	PID = 0
20					20.0	
	ST	16	SM		(SM) Silty sand, very soft, soupy	PID = 0
25					25.0	
	ST	13	SM		(SM) Silty sand, very soft, soupy Till at 27', coarse sand below	PID = 2.4
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-207

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/4/19 **COMPLETED** 4/4/19
GROUND ELEVATION **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' Fill 1' Tight dark silty, dry	PID = 32.7
5					5.0	
	ST	35	SW-SM		(SW-SM) Light, wet, fine/medium sand ▽ Dark, wet, fine/medium sand	PID = 50.6
10					10.0	
	ST	27	SW		(SW) Dark, wet, fine/medium sand	PID = 8.7
15					15.0	
	ST	23	SW		(SW) Dark, wet, fine/medium sand	PID = 0
20					20.0	
	ST	16	SW		(SW) Dark, wet, fine/medium sand	PID = 1.7
25					25.0	
	ST	15	SW		(SW) Dark, wet, fine/medium sand Till at 30'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-208

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/4/19 **COMPLETED** 4/4/19
GROUND ELEVATION **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	70	ML		(ML) 2' Fill 1.5' Dark tight silt, dry	PID = 0.9
5					5.0	
	ST	30	SW-SM		(SW-SM) Light, wet, fine/medium sand / (PID) ▽ Dark, wet, fine/medium sand	PID = 133.1
10					10.0	
	ST	30	SW-SM		(SW-SM) Dark, wet, fine/medium sand Tight fines at 14'	PID = 0.2
15					15.0	
	ST	20	SM		(SM) Tight fine silty sand, wet	PID = 0
20					20.0	
	ST	20	SM		(SM) Tight fine silty sand, wet	PID = 0
25					25.0	
	ST	17	SM		(SM) Tight fine silty sand, wet Till at 29'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-209

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/3/19 **COMPLETED** 4/3/19
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' Fill 1' Tight brown/dark silt	PID = 0
5					5.0	
10	ST	40	SW-SM		(SW-SM) Dark fine sand,wet ▽	PID = 0
15	ST	33	SW-SM		10.0 (SW-SM) Dark fine sand,wet	PID = 0
20	ST	25	SW-SM		15.0 (SW-SM) Dark fine sand,wet Dark tight silt at 20'	PID = 0
25	ST	20	SW-SM		20.0 (SW-SM) Dark fine sand,wet Soft loose wet land	PID = 0.3
30	ST	17	SW-SM		25.0 (SW-SM) Dark fine sand,wet Till at 29'	PID = 0
					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

TRC
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Fax: (518) 3481194

BORING NUMBER HOW-SB-210

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/5/19 **COMPLETED** 4/5/19
GROUND ELEVATION **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' fill/asphalt 1' tight silt	PID = 730
5					5.0	
	ST	40	SW-SM		(SW-SM) Dark fine/medium sand with silt, wet ▽	PID = 50.6
10					10.0	
	ST	30	SW-SM		(SW-SM) Dark fine/medium sand with silt, wet Tight sand with silt at 14'	PID = 3
15					15.0	
	ST	24	SW-SM		(SW-SM) Dark fine/medium sand with silt, wet	PID = 3.7
20					20.0	
	ST	14	SW-SM		(SW-SM) Dark fine/medium sand with silt, wet	PID = 0.6
25					25.0	
	ST	12	SW-SM		(SW-SM) Dark fine/medium sand with silt, wet Till at 28'	PID = 1.3
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-211

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/5/19 **COMPLETED** 4/5/19
GROUND ELEVATION **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' Fill 1' Tight dark silt, dry	PID = 148
5					5.0	
10	ST	40	SW-SM		(SW-SM) Dark, fine/medium sand with silt, wet ▽	PID = 76.8
15	ST	30	SW-SM		(SW-SM) Dark, fine/medium sand with silt, wet 10.0	PID = 49.1
20	ST	21	SW-SM		(SW-SM) Dark, fine/medium sand with silt, wet 15.0	PID = 9
25	ST	18	SW-SM		(SW-SM) Light brown, medium/fine sand with silt 20.0	PID = 2.4
30	ST	16	SW-SM		(SW-SM) Light brown, medium/fine sand with silt Till at 29' 25.0	PID = 1
					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-212

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/5/19 **COMPLETED** 4/5/19
GROUND ELEVATION **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' Fill 1' Tight brown silt	PID = 0.7
5					5.0	
	ST	30	SW-SM		(SW-SM) Brown medium/fine sand, wet ▽	PID = 2.2
10					10.0	
	ST	27	SW-SM		(SW-SM) Brown medium/fine sand, wet and darker	PID = 3.2
15					15.0	
	ST	21	SW-SM		(SW-SM) Dark medium/fine sand, wet Tight silty sand at 20'	PID = 1.1
20					20.0	
	ST	18	SM		(SM) Soft, wet, silty fine sand	PID = 0
25					25.0	
	ST	15	SM		(SM) Soft, wet, silty fine sand Till at 29'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-213

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/3/19 **COMPLETED** 4/3/19
GROUND ELEVATION **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' Fill Dark, stained tight silt	PID = 119
5					5.0	
	ST	50	SM		(SM) Wet, soft, silty fine sand ▽	PID = 51.1
10					10.0	
	ST	33	SM		(SM) Wet, soft, silty fine sand	PID = 22
15					15.0	
	ST	25	SM		(SM) Wet, soft, silty fine sand Silty sand, darker, tight at 18'	PID = 0.8
20					20.0	
	ST	10	SM		(SM) Wet, soft, silty fine sand	PID = 0
25					25.0	
	ST	17	SM		(SM) Wet, soft, silty fine sand Till at 29'	PID = 10
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-214

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/8/19 **COMPLETED** 4/8/19
GROUND ELEVATION **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	80	ML		(ML) 2' Fill 2' Tight dark silt with staining	PID = 294.1
5					5.0	
	ST	45	SM		(SM) Brown silty sand, wet ▽ Transition to dark fine/medium sand, wet at 8'	PID = 93
10					10.0	
	ST	33	SW		(SW) Dark fine/medium sand	PID = 11
15					15.0	
	ST	23	SW		(SW) Dark fine/medium sand Pocket of silt at 18'	PID = 0.2
20					20.0	
	ST	20	SW		(SW) Dark fine/medium sand, very wet	PID = 0
25					25.0	
	ST	13	SW		(SW) Dark fine/medium sand, very wet Till at 29'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-215

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/8/19 **COMPLETED** 4/8/19
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' Fill 1' Tight brown silt, red staining	PID = 799
5					5.0	
	ST	35	SW		(SW) Dark fine/medium sand, wet, loose ▽	PID = 281.7
10					10.0	
	ST	30	SW		(SW) Dark fine/medium sand, wet, loose	PID = 64
15					15.0	
	ST	20	SW-SM		(SW-SM) Dark fine/medium sand, wet, loose, soft, silty	PID = 1.2
20					20.0	
	ST	16	SW-SM		(SW-SM) Dark fine/medium sand, wet, loose, soft, silty	PID = 0
25					25.0	
	ST	12	SM		(SM) Tight silty fine sand Till at 29'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-216

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/5/19 **COMPLETED** 4/8/19
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' Fill 1' Tight brown silt	PID = 1.7
5					5.0	
	ST	40	SM		(SM) Tight brown silty fine sand, wet ▽	PID = 1.9
10					10.0	
	ST	27	SM		(SM) Tight brown silty fine sand, wet	PID = 3
15					15.0	
	ST	21	SM		(SM) Tight brown silty fine sand, wet	PID = 1.1
20					20.0	
	ST	18	SM		(SM) Tight brown silty fine sand, wet	PID = 0
25					25.0	
	ST	13	SM		(SM) Tight brown silty fine sand, wet Till at 29'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-217

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/8/19 **COMPLETED** 4/8/19
GROUND ELEVATION **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	80	ML		(ML) 2' Fill 1' Tight, dark, silt 1' White fractured rock	PID = 263
5					5.0	
	ST	45	SW		(SW) Dark fine/medium sand, wet ▽	PID = 23
10					10.0	
	ST	27	SW		(SW) Dark fine/medium sand, wet	PID = 2.2
15					15.0	
	ST	15	SW		(SW) Dark fine/medium sand, wet	PID = 5
20					20.0	
	ST	16	SW		(SW) Dark fine/medium sand, wet	PID = 40
25					25.0	
	ST	13	SW		(SW) Dark fine/medium sand, wet Till at 28'	PID = 5
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-218

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/9/19 **COMPLETED** 4/9/19
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' Fill 1' Light brown silty sand	PID = 309.6
5					5.0	
	ST	50	SW-SM		(SW-SM) Tight brown sand with silt, wet ▽	PID = 21.7
10					10.0	
	ST	30	SW-SM		(SW-SM) Tight brown sand with silt, wet	PID = 4
15					15.0	
	ST	23	SW-SM		(SW-SM) Tight brown sand with silt, wet, soft	PID = 0.5
20					20.0	
	ST	20	SW-SM		(SW-SM) Brown fine/medium sand, soft, loose, moist	PID = 0.7
25					25.0	
	ST	15	SW-SM		(SW-SM) Brown fine/medium sand, soft, loose, moist Till at 29'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-219

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/9/19 **COMPLETED** 4/9/19
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	70	SM		(SM) 2.5' Fill 1' Tight dark silty sand	PID = 0.7
5					5.0	
10	ST	40	SW-SM		(SW-SM) Brown fine sand with silt, wet ▽	PID = 0.2
15	ST	33	SW-SM		10.0 (SW-SM) Brown fine sand with silt, wet	PID = 1
20	ST	25	SW-SM		15.0 (SW-SM) Brown fine sand with silt, tight, dry	PID = 0
25	ST	12	SW-SM		20.0 (SW-SM) Brown fine sand with silt, tight, dry	PID = 0
30	ST	13	SW-SM		25.0 (SW-SM) Brown fine sand with silt, tight, dry Till at 29'	PID = 0
					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-220

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/3/19 **COMPLETED** 4/3/19
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	ML		(ML) 2' Fill 1' Tight brown silt, sub-angular rock	PID = 236
5					5.0	
	ST	50	SM		(SM) Tight silty sand, wet ▽	PID = 35
10					10.0	
	ST	33	SM		(SM) Tight silty sand, wet Dark silty sand at 13.5'	PID = 0.6
15					15.0	
	ST	25	SM		(SM) Dark silty sand	PID = 14
20					20.0	
	ST	20	SM		(SM) Dark, fine silty sand, very loose	PID = 4.8
25					25.0	
	ST	15	SM		(SM) Dark, fine silty sand, very loose Till at 29'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-221

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/9/19 **COMPLETED** 4/9/19
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	70	SM		(SM) 2' Fill 1.5' Tight silty sand	PID = 1694
5					5.0	
	ST	50	SM		(SM) Tight silty sand, wet ▽	PID = 3624
10					10.0	
	ST	27	SM		(SM) Brown, wet, silty, fine sand	PID = 16.2
15					15.0	
	ST	23	SM		(SM) Brown, wet, silty, fine sand	PID = 14
20					20.0	
	ST	18	SM		(SM) Brown, wet, silty, fine sand	PID = 0.3
25					25.0	
	ST	17	SM		(SM) Brown, wet, silty, fine sand Till at 29'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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BORING NUMBER HOW-SB-222

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/3/19 **COMPLETED** 4/3/19
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
▽ **AT TIME OF DRILLING** 5.50 ft
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	65	ML		(ML) 2' of fill, gravel/soil Dark fine silt, dry, plyable	PID = 1.8
5					5.0	
5	ST	40	SM		(SM) Dark fine silty sand ▽ Brown fine silty sand, moist, some coarse	PID = 1.2
10					10.0	
10	ST	30	SW		(SW) Dark fine/medium sand Saturated at 10'	PID = 0
15					15.0	
15	ST	23	SW		(SW) Dark fine/medium sand	PID = 0
20					20.0	
20	ST	20	SW		(SW) Dark fine/medium sand	PID = 0
25					25.0	
25	ST	17	SW-SM		(SW-SM) Dark fine/medium sand Tighter silty sand at 28'	PID = 0
30					30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

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Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER HOW-MW-301

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/10/19 **COMPLETED** 4/10/19
GROUND ELEVATION _____ **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
192hrs AFTER DRILLING 2.20 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				Protective Casing
2.5				Cement seal, Well Riser, Bentonite seal
5.0				
7.5				
10.0				Sand filter pack, Well Screen
12.5				
15.0				

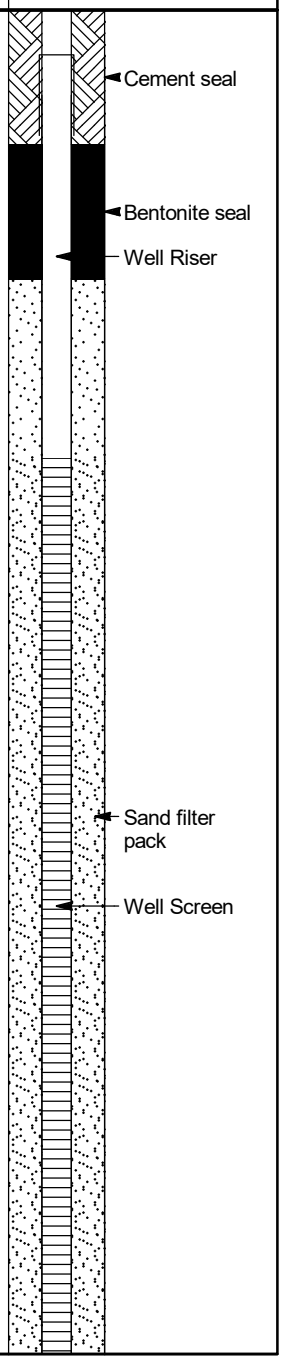
GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER HOW-MW-302

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/10/19 **COMPLETED** 4/10/19
GROUND ELEVATION _____ **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
192hrs AFTER DRILLING 3.02 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				
2.5				
5.0				
7.5				
10.0				
12.5				
15.0				



GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER HOW-MW-303

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/10/19 **COMPLETED** 4/10/19
GROUND ELEVATION **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
192hrs AFTER DRILLING 2.06 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				
2.5				Cement seal
5.0				Bentonite seal
7.5				Well Riser
10.0				Sand filter pack
12.5				Well Screen
15.0				

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

TRC
10 Maxwell Drive
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Telephone: (518) 688-3102
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WELL NUMBER HOW-MW-304

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/10/19 **COMPLETED** 4/10/19
GROUND ELEVATION **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
192hrs AFTER DRILLING 0.81 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				Protective Casing
				Cement seal
2.5				Well Riser
				Bentonite seal
5.0				
7.5				
				Sand filter pack
10.0				Well Screen
12.5				
15.0				

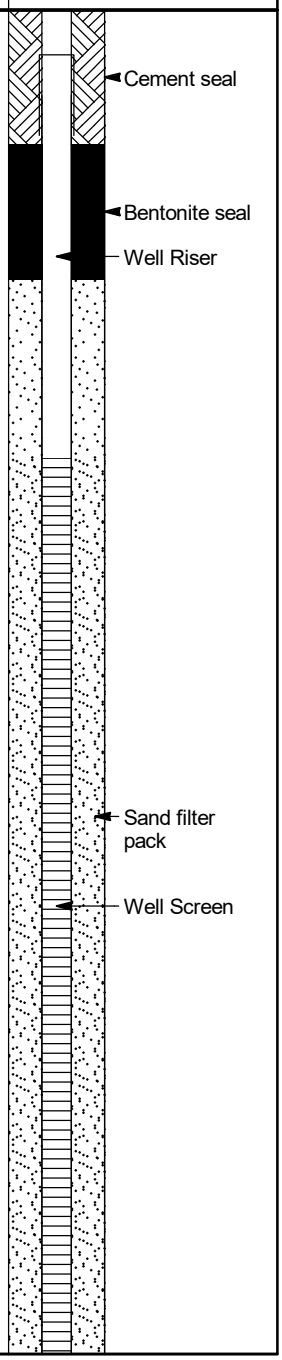
GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER HOW-MW-305

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/10/19 **COMPLETED** 4/10/19
GROUND ELEVATION **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
192hrs AFTER DRILLING 1.71 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				
2.5				
5.0				
7.5				
10.0				
12.5				
15.0				



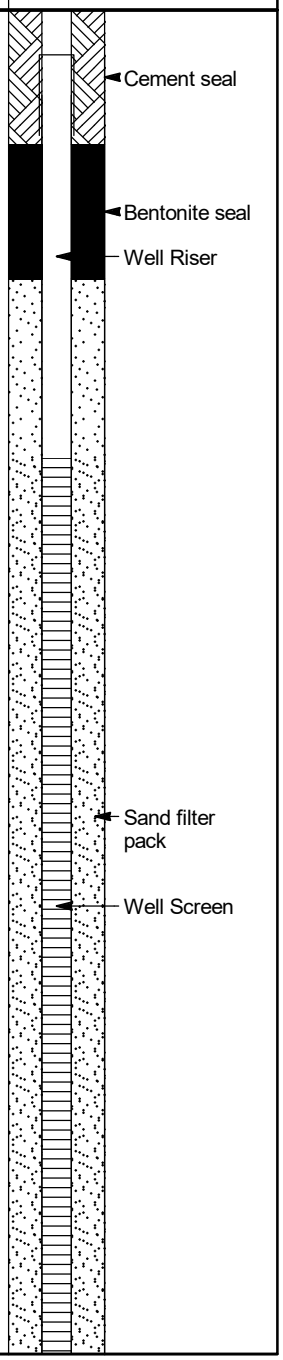
GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER HOW-MW-306

CLIENT NYSDEC
PROJECT NAME NYSDEC Haz-O-Waste
PROJECT NUMBER 198432.0000.0000
PROJECT LOCATION Lenox, NY
DATE STARTED 4/10/19 **COMPLETED** 4/10/19
GROUND ELEVATION _____ **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR NYEG
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Nick Gier **CHECKED BY** Steve Johansson
AT END OF DRILLING ---
NOTES
192hrs AFTER DRILLING 2.10 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				
2.5				
5.0				
7.5				
10.0				
12.5				
15.0				



GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 4/26/19 15:06 - \\CLIFTONPARK-FP2\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #9 - HAZ-O-WASTE\NOTES_&_DATA\FIELD\APRIL 2019 SOIL BORING AND GW MONITORING\HAZ-O-WASTE SOIL BORING LOGS.G

ATTACHMENT C

DATA TABLES

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-201								HOW-SB-202										HOW-SB-203	
Sample Name:			HOW-SB-201(20)	HOW-SB-201(24)	HOW-SB-201(26)	HOW-SB-201(29)	HOW-SB-202 (5)	HOW-SB-202 (8)	HOW-SB-202 (11)	HOW-SB-202 (14)	HOW-SB-202 (17)	HOW-SB-202 (20)	HOW-SB-202 (24)	HOW-SB-202 (27)	HOW-SB-202 (31)	HOW-SB-203(3)	HOW-SB-203(6)
Laboratory Sample ID:			460-178874-10	460-178874-11	460-178874-12	460-178874-13	460-178874-1	460-178874-2	460-178874-3	460-178874-4	460-178874-5	460-178874-6	460-178874-7	460-178874-8	460-178874-9	460-178874-14	460-178874-15
Sample Depth (ft. bgs.):			20	24	26	29	5	8	11	14	17	20	24	27	31	3	6
Sample Date:			04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Matrix:			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Unit:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)															
1,1,1-Trichloroethane	0.68	500	**0.53**	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
1,1,2,2-Tetrachloroethane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
1,1,2-Trichloroethane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
1,1-Dichloroethane	0.27	240	**0.11**	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	**0.0024**	0.00096 U	0.00088 U	**0.0016**	0.00086 U	**0.00053 J**	0.0011 U	0.051 U
1,1-Dichloroethene	0.33	500	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
1,2,4-Trichlorobenzene	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
1,2-Dibromo-3-chloropropane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
1,2-Dichlorobenzene	1.1	500	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
1,2-Dichloroethane	0.02	30	0.052 U	0.0015 U	0.00079 U	0.0014 U	**0.00035 J**	0.0010 U	0.048 U	**0.0081**	**0.00044 J**	0.00088 U	**0.0030**	**0.00035 J**	0.0010 U	0.0011 U	0.051 U
1,2-Dichloropropane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
1,3-Dichlorobenzene	2.4	280	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
1,4-Dichlorobenzene	1.8	130	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
2-Butanone (MEK)	0.12	500	0.26 U	0.0075 U	0.0039 U	0.0069 U	0.0048 U	0.0051 U	0.24 U	0.0055 U	**0.0011 J**	0.0044 U	0.0045 U	0.0043 U	0.0051 U	**0.017**	0.25 U
2-Hexanone	NC	NC	0.26 U	0.0075 U	0.0039 U	0.0069 U	0.0048 U	0.0051 U	0.24 U	0.0055 U	0.0048 U	0.0044 U	0.0045 U	0.0043 U	0.0051 U	0.0055 U	0.25 U
4-Methyl-2-pentanone	NC	NC	0.26 U	0.0075 U	0.0039 U	0.0069 U	0.0048 U	0.0051 U	0.24 U	0.0055 U	0.0048 U	0.0044 U	0.0045 U	0.0043 U	0.0051 U	0.0055 U	0.25 U
Acetone	0.05	500	0.26 U	0.0075 U	**0.0084**	**0.014**	**0.018**	**0.02**	0.24 U	**0.016**	**0.025**	**0.012**	**0.011**	**0.019**	**0.0085**	**0.063**	0.25 U
Benzene	0.06	44	0.052 U	0.0015 U	0.00079 U	0.0014 U	**0.00056 J**	**0.00026 J**	0.048 U	**0.00043 J**	0.00096 U	0.00088 U	**0.00044 J**	**0.00032 J**	0.0010 U	**0.00060 J**	0.051 U
Bromodichloromethane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Bromoform	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Bromomethane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Carbon disulfide	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	**0.00028 J**	**0.00090 J**	0.048 U	**0.00035 J**	**0.0018**	0.00088 U	0.00089 U	**0.00073 J**	0.0010 U	0.0011 U	0.051 U
Carbon tetrachloride	0.76	22	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Chlorobenzene	1.1	500	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	**0.00022 J**	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	**0.00037 J**	0.0010 U	0.0011 U	0.051 U
Chloroethane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	**0.0020**	0.00088 U	**0.0020**	**0.0011**	0.0010 U	0.0011 U	0.051 U
Chloroform	0.37	350	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Chloromethane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
cis-1,2-Dichloroethene	0.25	500	**1.9**	0.0015 U	**0.0051**	**0.0012 J**	**0.00066 J**	0.0010 U	0.048 U	**0.0017**	**0.00040 J**	**0.0032**	**0.00030 J**	0.00086 U	**0.02**	**0.0015**	0.051 U
cis-1,3-Dichloropropene	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Cyclohexane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	**0.00036 J**	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	**0.0014**	0.051 U
Dibromochloromethane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Dichlorodifluoromethane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Ethylbenzene	1	390	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	**0.096**	0.0011 U	**0.00024 J**	0.00088 U	0.00089 U	0.00086 U	0.0010 U	**0.0073**	**0.86**
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Isopropylbenzene	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	**0.0018**	0.048 U	0.0011 U	**0.0015**	0.00088 U	0.00089 U	**0.0020**	0.0010 U	**0.0017**	**0.025 J**
Methyl acetate	NC	NC	**0.076 J**	0.0075 U	0.0039 U	0.0069 U	0.0048 U	0.0051 U	0.24 U	0.0055 U	**0.0042 J**	0.0044 U	0.0045 U	0.0043 U	0.0051 U	0.0055 U	**0.032 J**
Methyl tert-butyl ether	0.93	500	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Methylcyclohexane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	**0.0041**	**0.00054 J**	0.048 U	**0.00035 J**	**0.00063 J**	0.00088 U	0.00089 U	**0.00063 J**	0.0010 U	**0.0092**	0.051 U
Methylene chloride	0.05	500	0.052 U	**0.0037**	**0.0021**	**0.0040 B**	**0.0060**	**0.0064**	0.048 U	**0.0030**	**0.0033**	**0.0017**	**0.0020**	**0.0052**	**0.0013**	**0.0043**	0.051 U
Styrene	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Tetrachloroethene	1.3	150	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Toluene	0.7	500	**0.66**	0.0015 U	0.00079 U	0.0014 U	**0.00093 J**	**0.0011**	**0.033 J**	0.0011 U	**0.0010**	0.00088 U	0.00089 U	**0.0010**	0.0010 U	**0.02**	**0.67**
trans-1,2-Dichloroethene	0.19	500	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	**0.00025 J**	0.00086 U	0.0010 U	0.0011 U	0.051 U
trans-1,3-Dichloropropene	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Trichloroethene	0.47	200	**20**	0.0015 U	**0.0011**	**0.00060 J**	**0.00016 J**	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Trichlorofluoromethane	NC	NC	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	0.0011 U	0.00096 U	0.00088 U	0.00089 U	0.00086 U	0.0010 U	0.0011 U	0.051 U
Vinyl chloride	0.02	13	0.052 U	0.0015 U	0.00079 U	0.0014 U	0.00097 U	0.0010 U	0.048 U	**0.0010 J**	0.00096 U	0.00088 U	**0.00051 J**	0.00086 U	0.0010 U	0.0011 U	0.051 U
Xylenes, total	0.26	500	0.1 U	0.0030 U	0.0016 U	0.0028 U	**0.00045 J**	**0.0014 J**	**1.1**	0.0022 U	**0.0013 J**	0.0018 U	0.0018 U	**0.0011 J**	0.0021 U	**0.014**	**3.9**

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-203								HOW-SB-204						
Sample Name:			HOW-SB-203(9)	HOW-SB-203(10)	HOW-SB-203(14)	HOW-SB-203(16)	HOW-SB-203(19)	HOW-SB-203(22)	HOW-SB-203(25)	HOW-SB-203(28)	HOW-SB-204(2)	HOW-SB-204(5)	HOW-SB-204(7)	HOW-SB-204(10)	HOW-SB-204(13)	HOW-SB-204(16)	HOW-SB-204(19)
Laboratory Sample ID:			460-178874-16	460-178874-17	460-178874-18	460-178874-19	460-178874-20	460-178874-21	460-178874-22	460-178874-23	460-178874-24	460-178874-25	460-178874-26	460-178874-27	460-178874-28	460-178874-29	460-178874-30
Sample Depth (ft. bgs.):			9	10	14	16	19	22	25	28	2	5	7	10	13	16	19
Sample Date:			04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019
Matrix:			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Unit:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)															
1,1,1-Trichloroethane	0.68	500	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
1,1,2,2-Tetrachloroethane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
1,1,2-Trichloroethane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	**0.0015**	0.0011 U
1,1-Dichloroethane	0.27	240	0.05 U	0.045 U	0.053 U	0.051 U	**0.0037**	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	**0.021 J**	**0.012**	0.0011 U
1,1-Dichloroethene	0.33	500	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
1,2,4-Trichlorobenzene	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
1,2-Dibromo-3-chloropropane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
1,2-Dichlorobenzene	1.1	500	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
1,2-Dichloroethane	0.02	30	0.05 U	0.045 U	0.053 U	0.051 U	**0.013**	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	**0.00082 J**	0.0011 U
1,2-Dichloropropane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
1,3-Dichlorobenzene	2.4	280	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
1,4-Dichlorobenzene	1.8	130	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
2-Butanone (MEK)	0.12	500	0.25 U	0.22 U	0.26 U	0.25 U	0.0052 U	0.0038 U	0.0056 U	0.0048 U	**0.01**	0.24 U	0.26 U	0.28 U	0.27 U	0.0050 U	0.0055 U
2-Hexanone	NC	NC	0.25 U	0.22 U	0.26 U	0.25 U	0.0052 U	0.0038 U	0.0056 U	0.0048 U	0.0055 U	0.24 U	0.26 U	0.28 U	0.27 U	0.0050 U	0.0055 U
4-Methyl-2-pentanone	NC	NC	0.25 U	0.22 U	0.26 U	0.25 U	0.0052 U	0.0038 U	0.0056 U	0.0048 U	0.0055 U	0.24 U	0.26 U	0.28 U	0.27 U	0.0050 U	0.0055 U
Acetone	0.05	500	0.25 U	0.22 U	0.26 U	0.25 U	**0.015**	**0.0079**	**0.011**	**0.0055**	**0.032**	0.24 U	0.26 U	0.28 U	0.27 U	**0.011**	**0.0084**
Benzene	0.06	44	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	**0.00065 J**	0.0011 U
Bromodichloromethane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Bromoform	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Bromomethane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Carbon disulfide	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	**0.00036 J**	0.00076 U	0.0011 U	**0.00029 J**	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	**0.00026 J**	0.0011 U
Carbon tetrachloride	0.76	22	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Chlorobenzene	1.1	500	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Chloroethane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	**0.087**	0.0011 U
Chloroform	0.37	350	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Chloromethane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
cis-1,2-Dichloroethene	0.25	500	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	**0.0011**	0.049 U	0.051 U	0.056 U	0.053 U	**0.0010**	0.0011 U
cis-1,3-Dichloropropene	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Cyclohexane	NC	NC	**0.018 J**	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Dibromochloromethane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Dichlorodifluoromethane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Ethylbenzene	1	390	**0.12**	**0.03 J**	**0.093**	**0.045 J**	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	**0.23**	**1.6**	**0.67**	**3.1**	0.00099 U	0.0011 U
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Isopropylbenzene	NC	NC	**0.15**	**0.023 J**	**0.085**	**0.041 J**	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	**0.029 J**	**0.079**	**0.032 J**	**0.19**	0.00099 U	0.0011 U
Methyl acetate	NC	NC	**0.043 J**	0.22 U	0.26 U	0.25 U	0.0052 U	0.0038 U	0.0056 U	0.0048 U	0.0055 U	0.24 U	0.26 U	0.28 U	**0.052 J**	0.0050 U	0.0055 U
Methyl tert-butyl ether	0.93	500	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Methylcyclohexane	NC	NC	**0.44**	0.045 U	**0.17**	**0.086**	0.0010 U	0.00076 U	0.0011 U	**0.00017 J**	**0.00029 J**	0.049 U	0.051 U	0.056 U	0.053 U	**0.00037 J**	0.0011 U
Methylene chloride	0.05	500	0.05 U	0.045 U	0.053 U	0.051 U	**0.0028**	**0.0017**	**0.0024**	**0.0032**	**0.0021**	0.049 U	0.051 U	0.056 U	0.053 U	**0.0019**	**0.0019**
Styrene	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Tetrachloroethene	1.3	150	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Toluene	0.7	500	**0.088**	**0.029 J**	**0.048 J**	**0.073**	0.0010 U	0.00076 U	0.0011 U	0.00096 U	**0.0027**	**1**	**10**	**0.56**	**1.4**	**0.0043**	0.0011 U
trans-1,2-Dichloroethene	0.19	500	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	**0.0018**	0.0011 U
trans-1,3-Dichloropropene	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Trichloroethene	0.47	200	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Trichlorofluoromethane	NC	NC	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	0.00099 U	0.0011 U
Vinyl chloride	0.02	13	0.05 U	0.045 U	0.053 U	0.051 U	0.0010 U	0.00076 U	0.0011 U	0.00096 U	0.0011 U	0.049 U	0.051 U	0.056 U	0.053 U	**0.00071 J**	**0.11**
Xylenes, total	0.26	500	**9.4**	**3.6**	**3.5**	**2.1**	0.0021 U	0.0015 U	0.0022 U	0.0019 U	**0.0012 J**	**0.85**	**7.1**	**2.9**	**11**	0.0020 U	0.0022 U

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-204			HOW-SB-205										HOW-SB-206	
Sample Name:			HOW-SB-204(22)	HOW-SB-204(26)	HOW-SB-204(29)	HOW-SB-205(3)	HOW-SB-205(5)	HOW-SB-205(9)	HOW-SB-205(11)	HOW-SB-205(14)	HOW-SB-205(17)	HOW-SB-205(20)	HOW-SB-205(23)	HOW-SB-205(26)	HOW-SB-205(29)	HOW-SB-206 (3)	HOW-SB-206 (5)
Laboratory Sample ID:			460-178874-31	460-178874-32	460-178874-33	460-178874-34	460-178874-35	460-178874-36	460-178874-37	460-178874-38	460-178874-39	460-178874-40	460-178874-41	460-178874-42	460-178874-43	460-179018-1	460-179018-2
Sample Depth (ft. bgs.):			22	26	29	3	5	9	11	14	17	20	23	26	29	3	5
Sample Date:			04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/05/2019	04/05/2019
Matrix:			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Unit:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)															
1,1,1-Trichloroethane	0.68	500	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
1,1,2,2-Tetrachloroethane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
1,1,2-Trichloroethane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	**0.0037**	0.057 U	**0.016**	**0.05 J**	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
1,1-Dichloroethane	0.27	240	0.00070 U	0.055 U	0.00071 U	0.0011 U	**0.0021**	0.057 U	**0.0058**	**0.17**	**0.078**	**0.022**	**0.17**	0.0010 U	0.00093 U	0.05 U	0.035 U
1,1-Dichloroethene	0.33	500	0.00070 U	0.055 U	0.00071 U	0.0011 U	**0.00032 J**	0.057 U	**0.00082 J**	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
1,2,4-Trichlorobenzene	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
1,2-Dibromo-3-chloropropane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
1,2-Dichlorobenzene	1.1	500	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
1,2-Dichloroethane	0.02	30	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
1,2-Dichloropropane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
1,3-Dichlorobenzene	2.4	280	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
1,4-Dichlorobenzene	1.8	130	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
2-Butanone (MEK)	0.12	500	0.0035 U	0.27 U	0.0036 U	**0.0046 J**	**0.0021 J**	0.29 U	0.0044 U	0.28 U	0.26 U	0.0055 U	0.17 U	0.0052 U	0.0047 U	0.25 U	0.18 U
2-Hexanone	NC	NC	0.0035 U	0.27 U	0.0036 U	0.0055 U	0.0037 U	0.29 U	0.0044 U	0.28 U	0.26 U	0.0055 U	0.17 U	0.0052 U	0.0047 U	0.25 U	0.18 U
4-Methyl-2-pentanone	NC	NC	0.0035 U	0.27 U	0.0036 U	0.0055 U	0.0037 U	0.29 U	0.0044 U	0.28 U	0.26 U	0.0055 U	0.17 U	0.0052 U	0.0047 U	0.25 U	0.18 U
Acetone	0.05	500	**0.0070**	0.27 U	**0.0047**	**0.035**	**0.014**	0.29 U	**0.011**	0.28 U	0.26 U	**0.011**	0.17 U	**0.01**	**0.0038 J**	0.25 U	0.18 U
Benzene	0.06	44	0.00070 U	0.055 U	0.00071 U	0.0011 U	**0.00025 J**	0.057 U	**0.00030 J**	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Bromodichloromethane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Bromoform	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Bromomethane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Carbon disulfide	NC	NC	**0.00035 J**	0.055 U	**0.00020 J**	0.0011 U	**0.00041 J**	0.057 U	**0.00097**	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Carbon tetrachloride	0.76	22	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Chlorobenzene	1.1	500	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Chloroethane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Chloroform	0.37	350	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Chloromethane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
cis-1,2-Dichloroethene	0.25	500	0.00070 U	0.055 U	0.00071 U	0.0011 U	**0.00062 J**	0.057 U	**0.0013**	**0.015 J**	**0.75**	**0.0090**	**1.7**	0.0010 U	0.00093 U	0.05 U	0.035 U
cis-1,3-Dichloropropene	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Cyclohexane	NC	NC	0.00070 U	0.055 U	0.00071 U	**0.00027 J**	**0.00027 J**	0.057 U	**0.00040 J**	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Dibromochloromethane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Dichlorodifluoromethane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Ethylbenzene	1	390	0.00070 U	**3.1**	0.00071 U	0.0011 U	**0.039**	**1.5**	**0.031**	**0.043 J**	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	**0.8**	**0.53**
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Isopropylbenzene	NC	NC	0.00070 U	**0.2**	0.00071 U	0.0011 U	**0.0020**	**0.18**	**0.0025**	**0.046 J**	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	**0.027 J**	**0.018 J**
Methyl acetate	NC	NC	0.0035 U	0.27 U	0.0036 U	0.0055 U	0.0037 U	0.29 U	0.0044 U	0.28 U	**0.04 J**	0.0055 U	**0.026 J**	0.0052 U	0.0047 U	**0.035 J**	**0.032 J**
Methyl tert-butyl ether	0.93	500	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Methylcyclohexane	NC	NC	0.00070 U	0.055 U	0.00071 U	**0.0012**	**0.0014**	0.057 U	**0.0015**	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	**0.075**	**0.018 J**
Methylene chloride	0.05	500	**0.0013**	0.055 U	**0.0027**	**0.0019**	**0.0024**	0.057 U	**0.0020**	**0.029 J**	0.052 U	**0.0027**	0.034 U	**0.00080 J**	**0.0024**	0.05 U	0.035 U
Styrene	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Tetrachloroethene	1.3	150	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	**0.00015 J**	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Toluene	0.7	500	0.00070 U	**1.4**	0.00071 U	**0.0011**	**0.0077**	**0.08**	**0.018**	**3**	0.052 U	0.0011 U	0.034 U	**0.00065 J**	0.00093 U	**8**	**4.8**
trans-1,2-Dichloroethene	0.19	500	0.00070 U	0.055 U	0.00071 U	0.0011 U	**0.00041 J**	0.057 U	**0.00088**	**0.028 J**	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
trans-1,3-Dichloropropene	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Trichloroethene	0.47	200	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	**0.00025 J**	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Trichlorofluoromethane	NC	NC	0.00070 U	0.055 U	0.00071 U	0.0011 U	0.00073 U	0.057 U	0.00088 U	0.055 U	0.052 U	0.0011 U	0.034 U	0.0010 U	0.00093 U	0.05 U	0.035 U
Vinyl chloride	0.02	13	**0.058**	0.055 U	0.00071 U	0.0011 U	**0.00066 J**	0.057 U	**0.0028**	0.055 U	0.052 U	**0.027 J**	**0.67**	0.0010 U	0.00093 U	0.05 U	0.035 U
Xylenes, total	0.26	500	0.0014 U	**12**	0.0014 U	**0.00073 J**	**0.0093**	**4**	**0.022**	**0.16**	**0.022 J**	0.0022 U	0.068 U	0.0021 U	0.0019 U	**3.6**	**2.3**

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-206														HOW-SB-207													
Sample Name:			HOW-SB-206 (8)		HOW-SB-206 (11)		HOW-SB-206 (14)		HOW-SB-206 (17)		HOW-SB-206 (20)		HOW-SB-206 (23)		HOW-SB-206 (26)		HOW-SB-206 (29)		HOW-SB-207(3)		HOW-SB-207(5)		HOW-SB-207(8)		HOW-SB-207(11)		HOW-SB-207(14)		HOW-SB-207(17)		HOW-SB-207(20)	
Laboratory Sample ID:			460-179018-3		460-179018-4		460-179018-5		460-179018-6		460-179018-7		460-179018-8		460-179018-9		460-179018-10		460-178874-54		460-178874-55		460-178874-56		460-178874-57		460-178874-58		460-178874-59		460-178874-60	
Sample Depth (ft. bgs.):			8		11		14		17		20		23		26		29		3		5		8		11		14		17		20	
Sample Date:			04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/04/2019		04/04/2019		04/04/2019		04/04/2019		04/04/2019		04/04/2019		04/04/2019	
Matrix:			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Unit:			mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)																														
1,1,1-Trichloroethane	0.68	500	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
1,1,2,2-Tetrachloroethane	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
1,1,2-Trichloroethane	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
1,1-Dichloroethane	0.27	240	0.0010	U	**0.0018**		0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	**0.1**	**J**	0.052	U	0.08	U	**0.03**		**0.015**		0.00081	U
1,1-Dichloroethene	0.33	500	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
1,2,4-Trichlorobenzene	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
1,2-Dibromo-3-chloropropane	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
1,2-Dichlorobenzene	1.1	500	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
1,2-Dichloroethane	0.02	30	0.0010	U	**0.0010**		**0.0014**		0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	**0.0058**		**0.0033**		0.00081	U
1,2-Dichloropropane	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
1,3-Dichlorobenzene	2.4	280	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
1,4-Dichlorobenzene	1.8	130	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
2-Butanone (MEK)	0.12	500	**0.0013**	**J**	0.0052	U	0.0059	U	0.25	U	0.0038	U	0.0050	U	0.0050	U	0.0038	U	3	U	0.98	U	0.26	U	0.4	U	**0.0017**	**J**	**0.0014**	**J**	0.0040	U
2-Hexanone	NC	NC	0.0052	U	0.0052	U	0.0059	U	0.25	U	0.0038	U	0.0050	U	0.0050	U	0.0038	U	3	U	0.98	U	0.26	U	0.4	U	0.0048	U	0.0056	U	0.0040	U
4-Methyl-2-pentanone	NC	NC	0.0052	U	0.0052	U	0.0059	U	0.25	U	0.0038	U	0.0050	U	0.0050	U	0.0038	U	3	U	0.98	U	0.26	U	0.4	U	0.0048	U	0.0056	U	0.0040	U
Acetone	0.05	500	**0.016**		**0.018**		**0.011**		0.25	U	**0.014**		**0.0082**		**0.0076**		**0.0070**		3	U	0.98	U	**0.28**		0.4	U	**0.018**		**0.02**		**0.0042**	
Benzene	0.06	44	**0.00036**	**J**	**0.00044**	**J**	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Bromodichloromethane	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Bromoform	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Bromomethane	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Carbon disulfide	NC	NC	**0.00048**	**J**	**0.00039**	**J**	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	**0.00037**	**J**	0.0011	U	0.00081	U
Carbon tetrachloride	0.76	22	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Chlorobenzene	1.1	500	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Chloroethane	NC	NC	0.0010	U	**0.0033**		0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	**0.079**		0.08	U	0.00095	U	0.0011	U	0.00081	U
Chloroform	0.37	350	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Chloromethane	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
cis-1,2-Dichloroethene	0.25	500	0.0010	U	0.0010	U	**0.0054**		0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	**1.1**		**0.99**		0.052	U	0.08	U	0.00095	U	0.0011	U	**0.0017**	
cis-1,3-Dichloropropene	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Cyclohexane	NC	NC	**0.00034**	**J**	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Dibromochloromethane	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Dichlorodifluoromethane	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Ethylbenzene	1	390	**0.00028**	**J**	0.0010	U	0.0012	U	**0.065**		0.00076	U	0.0010	U	0.00099	U	0.00077	U	**17**		**5.2**		**0.9**		**1.2**		0.00095	U	0.0011	U	0.00081	U
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Isopropylbenzene	NC	NC	**0.0010**		**0.00015**	**J**	0.0012	U	**0.054**		0.00076	U	0.0010	U	0.00099	U	0.00077	U	**0.34**	**J**	**0.17**	**J**	**0.046**	**J**	**0.047**	**J**	0.00095	U	0.0011	U	0.00081	U
Methyl acetate	NC	NC	0.0052	U	0.0052	U	0.0059	U	0.25	U	0.0038	U	0.0050	U	0.0050	U	0.0038	U	3	U	0.98	U	**0.063**	**J**	**0.076**	**J**	0.0048	U	0.0056	U	0.0040	U
Methyl tert-butyl ether	0.93	500	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Methylcyclohexane	NC	NC	**0.0036**		**0.00032**	**J**	**0.00021**	**J**	0.05	U	0.00076	U	0.0010	U	0.00099	U	**0.00033**	**J**	0.59	U	0.2	U	0.052	U	0.08	U	**0.00017**	**J**	0.0011	U	0.00081	U
Methylene chloride	0.05	500	**0.0046**		**0.0015**		**0.0030**		0.05	U	**0.0020**		**0.0023**		**0.0019**		**0.0027**		0.59	U	0.2	U	0.052	U	0.08	U	**0.00038**	**J**	**0.00071**	**J**	**0.00065**	**J**
Styrene	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Tetrachloroethene	1.3	150	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	**0.37**		0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Toluene	0.7	500	**0.0024**		**0.0020**		0.0012	U	**0.21**		0.00076	U	**0.0018**		**0.0012**		**0.0017**		**110**		**36**		**6.2**		**8.2**		**0.00070**	**J**	0.0011	U	0.00081	U
trans-1,2-Dichloroethene	0.19	500	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	**0.014**	**J**	0.08	U	0.00095	U	0.0011	U	0.00081	U
trans-1,3-Dichloropropene	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Trichloroethene	0.47	200	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Trichlorofluoromethane	NC	NC	0.0010	U	0.0010	U	0.0012	U	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	0.00095	U	0.0011	U	0.00081	U
Vinyl chloride	0.02	13	0.0010	U	0.0010	U	**0.00076**	**J**	0.05	U	0.00076	U	0.0010	U	0.00099	U	0.00077	U	0.59	U	0.2	U	0.052	U	0.08	U	**0.0015**		**0.0076**		**0.00090**	
Xylenes, total	0.26	500	**0.038**		**0.0040**		0.0024	U	**3.9**		0.0015	U	**0.00049**	**J**	0.0020	U	0.0015	U	**65**		**23**		**3.9**		**4.6**		0.0019	U	0.0022	U	0.0016	U

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-207			HOW-SB-208										HOW-SB-209	
Sample Name:			HOW-SB-207(23)	HOW-SB-207(26)	HOW-SB-207(29)	HOW-SB-208(3)	HOW-SB-208(6)	HOW-SB-208(8)	HOW-SB-208(11)	HOW-SB-208(14)	HOW-SB-208(17)	HOW-SB-208(20)	HOW-SB-208(23)	HOW-SB-208(27)	HOW-SB-208(29)	HOW-SB-209 (3)	HOW-SB-209 (5)
Laboratory Sample ID:			460-178874-61	460-178874-62	460-178874-63	460-178874-44	460-178874-45	460-178874-46	460-178874-47	460-178874-48	460-178874-49	460-178874-50	460-178874-51	460-178874-52	460-178874-53	460-178747-23	460-178747-24
Sample Depth (ft. bgs.):			23	26	29	3	6	8	11	14	17	20	23	27	29	3	5
Sample Date:			04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/04/2019	04/03/2019	04/03/2019
Matrix:			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Unit:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)															
1,1,1-Trichloroethane	0.68	500	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
1,1,2,2-Tetrachloroethane	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
1,1,2-Trichloroethane	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	**0.31**	0.00077 U	0.00097 U	**0.31**	**0.14**	**0.0012**	**0.0027**	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	**0.0029**	0.0013 U	0.1 U
1,1-Dichloroethane	0.27	240	**0.11**	0.00077 U	0.00097 U	**0.22**	0.048 U	**0.0021**	**0.0034**	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	**0.00030 J**	0.1 U
1,1-Dichloroethene	0.33	500	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
1,2,4-Trichlorobenzene	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
1,2-Dibromo-3-chloropropane	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
1,2-Dichlorobenzene	1.1	500	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
1,2-Dichloroethane	0.02	30	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
1,2-Dichloropropane	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
1,3-Dichlorobenzene	2.4	280	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
1,4-Dichlorobenzene	1.8	130	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
2-Butanone (MEK)	0.12	500	0.26 U	0.0039 U	0.0049 U	0.32 U	0.24 U	**0.0028 J**	**0.0026 J**	0.0049 U	0.0053 U	0.0037 U	**0.0011 J**	**0.0020 J**	0.0048 U	**0.018**	0.52 U
2-Hexanone	NC	NC	0.26 U	0.0039 U	0.0049 U	0.32 U	0.24 U	0.0050 U	0.0056 U	0.0049 U	0.0053 U	0.0037 U	0.0048 U	0.0056 U	0.0048 U	0.0064 U	0.52 U
4-Methyl-2-pentanone	NC	NC	0.26 U	0.0039 U	0.0049 U	0.32 U	0.24 U	0.0050 U	0.0056 U	**0.00071 J**	0.0053 U	0.0037 U	0.0048 U	0.0056 U	0.0048 U	0.0064 U	0.52 U
Acetone	0.05	500	0.26 U	**0.0074**	**0.0083**	**0.41**	0.24 U	**0.022**	**0.017**	**0.01**	**0.012**	**0.0058**	**0.013**	**0.014**	**0.0065**	**0.09**	0.52 U
Benzene	0.06	44	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	**0.00032 J**	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	**0.00050 J**	0.1 U
Bromodichloromethane	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Bromoform	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Bromomethane	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Carbon disulfide	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	**0.00079 J**	**0.00064 J**	0.00098 U	0.0011 U	0.00074 U	**0.00048 J**	**0.00084 J**	**0.0011**	**0.00079 J**	0.1 U
Carbon tetrachloride	0.76	22	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Chlorobenzene	1.1	500	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Chloroethane	NC	NC	**0.033 J**	0.00077 U	0.00097 U	0.064 U	0.048 U	**0.011**	**0.0031**	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	**0.0084**	0.1 U
Chloroform	0.37	350	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Chloromethane	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
cis-1,2-Dichloroethene	0.25	500	**0.018 J**	0.00077 U	0.00097 U	**0.67**	0.048 U	**0.00055 J**	**0.0012**	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	**0.00024 J**	**0.0023**	0.1 U
cis-1,3-Dichloropropene	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Cyclohexane	NC	NC	0.051 U	0.00077 U	0.00097 U	**0.032 J**	**0.024 J**	**0.00032 J**	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	**0.00066 J**	0.1 U
Dibromochloromethane	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Dichlorodifluoromethane	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Ethylbenzene	1	390	**0.36**	**0.00049 J**	0.00097 U	**2.1**	**1.4**	**0.099**	**0.0042**	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	**0.0010 J**	0.1 U
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Isopropylbenzene	NC	NC	0.051 U	0.00077 U	0.00097 U	**0.14**	**0.44**	**0.0049**	**0.0010 J**	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	**0.00024 J**	0.1 U
Methyl acetate	NC	NC	0.26 U	0.0039 U	0.0049 U	**0.75**	**0.096 J**	0.0050 U	0.0056 U	0.0049 U	0.0053 U	0.0037 U	0.0048 U	0.0056 U	0.0048 U	0.0064 U	0.52 U
Methyl tert-butyl ether	0.93	500	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Methylcyclohexane	NC	NC	0.051 U	0.00077 U	**0.00018 J**	**0.45**	**0.69**	**0.00063 J**	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	**0.00054 J**	**0.0022**	0.1 U
Methylene chloride	0.05	500	**0.017 J**	**0.00057 J**	**0.0026**	**0.024 J**	0.048 U	**0.00095 J**	**0.0025**	**0.0018**	**0.0016**	**0.0015**	**0.0032**	**0.0021**	0.00096 U	**0.0070**	0.1 U
Styrene	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Tetrachloroethene	1.3	150	**0.018 J**	0.00077 U	0.00097 U	**0.073**	**0.08**	0.0010 U	**0.00031 J**	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Toluene	0.7	500	**2.3**	**0.0089**	0.00097 U	**17**	**0.23**	**0.023**	**0.064**	0.00098 U	0.0011 U	0.00074 U	0.00096 U	**0.0017**	0.00096 U	**0.0068**	**0.058 J**
trans-1,2-Dichloroethene	0.19	500	**0.013 J**	0.00077 U	0.00097 U	0.064 U	0.048 U	**0.0015**	**0.0029**	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	**0.00073 J**	0.1 U
trans-1,3-Dichloropropene	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Trichloroethene	0.47	200	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	**0.00053 J**	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	**0.00034 J**	0.1 U
Trichlorofluoromethane	NC	NC	0.051 U	0.00077 U	0.00097 U	0.064 U	0.048 U	0.0010 U	0.0011 U	0.00098 U	0.0011 U	0.00074 U	0.00096 U	0.0011 U	0.00096 U	0.0013 U	0.1 U
Vinyl chloride	0.02	13	0.051 U	0.00077 U	0.00097 U	**0.022 J**	0.048 U	0.0010 U	0.0011 U	**0.098**	0.0011 U	0.00074 U	0.00096 U	**0.00062 J**	**0.00068 J**	**0.0032**	0.1 U
Xylenes, total	0.26	500	**1.4**	**0.0016**	0.0019 U	**8.8**	**4.9**	**0.3**	**0.012**	**0.00030 J**	0.0021 U	0.0015 U	0.0019 U	**0.00090 J**	**0.00037 J**	**0.033**	**1.6**

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-209														HOW-SB-210							
Sample Name:			HOW-SB-209 (8)		HOW-SB-209 (10)		HOW-SB-209 (14)		HOW-SB-209 (17)		HOW-SB-209 (20)		HOW-SB-209 (23)		HOW-SB-209 (25)		HOW-SB-209 (28)		HOW-SB-210 (3)		HOW-SB-210 (6)		HOW-SB-210 (8)		HOW-SB-210 (11)		HOW-SB-210 (14)		HOW-SB-210 (17)		HOW-SB-210 (20)	
Laboratory Sample ID:			460-178747-25		460-178747-26		460-178747-27		460-178747-28		460-178747-29		460-178747-30		460-178747-31		460-178747-32		460-179018-11		460-179018-12		460-179018-13		460-179018-14		460-179018-15		460-179018-16		460-179018-17	
Sample Depth (ft. bgs.):			8		10		14		17		20		23		25		28		3		6		8		11		14		17		20	
Sample Date:			04/03/2019		04/03/2019		04/03/2019		04/03/2019		04/03/2019		04/03/2019		04/03/2019		04/03/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019	
Matrix:			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Unit:			mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)																														
1,1,1-Trichloroethane	0.68	500	0.00094	U	**0.00084**	**J**	**0.00089**	**J**	**0.00072**	**J**	0.094	U	**1.8**		0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
1,1,2,2-Tetrachloroethane	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
1,1,2-Trichloroethane	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.00094	U	**0.00045**	**J**	0.0010	U	**0.0047**		0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
1,1-Dichloroethane	0.27	240	**0.00036**	**J**	0.0010	U	**0.00048**	**J**	**0.0017**		**0.098**		**0.57**		0.0011	U	0.00088	U	6.7	U	0.0013	U	**0.04**	**J**	**0.042**	**J**	**0.037**	**J**	**0.0022**		0.0010	U
1,1-Dichloroethene	0.33	500	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
1,2,4-Trichlorobenzene	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
1,2-Dibromo-3-chloropropane	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
1,2-Dichlorobenzene	1.1	500	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
1,2-Dichloroethane	0.02	30	**0.00053**	**J**	**0.00035**	**J**	**0.00050**	**J**	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	**0.032**	**J**	**0.032**	**J**	**0.045**	**J**	**0.0031**		0.0010	U
1,2-Dichloropropane	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
1,3-Dichlorobenzene	2.4	280	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
1,4-Dichlorobenzene	1.8	130	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
2-Butanone (MEK)	0.12	500	0.0047	U	0.0051	U	0.0050	U	0.0047	U	0.47	U	0.53	U	0.0053	U	0.0044	U	33	U	**0.014**		0.29	U	0.26	U	0.24	U	**0.0012**	**J**	0.0052	U
2-Hexanone	NC	NC	0.0047	U	0.0051	U	0.0050	U	0.0047	U	0.47	U	0.53	U	0.0053	U	0.0044	U	33	U	0.0067	U	0.29	U	0.26	U	0.24	U	0.0039	U	0.0052	U
4-Methyl-2-pentanone	NC	NC	0.0047	U	0.0051	U	0.0050	U	0.0047	U	0.47	U	0.53	U	0.0053	U	0.0044	U	33	U	0.0067	U	0.29	U	0.26	U	0.24	U	0.0039	U	0.0052	U
Acetone	0.05	500	**0.021**		**0.013**		**0.015**		**0.018**		0.47	U	0.53	U	**0.018**		**0.0058**		33	U	**0.069**		0.29	U	0.26	U	0.24	U	**0.011**		**0.015**	
Benzene	0.06	44	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	**0.00079**	**J**	0.057	U	0.052	U	0.047	U	**0.00042**	**J**	0.0010	U
Bromodichloromethane	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Bromoform	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Bromomethane	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Carbon disulfide	NC	NC	**0.00056**	**J**	**0.00099**	**J**	**0.00041**	**J**	**0.0025**		0.094	U	0.11	U	**0.00051**	**J**	0.00088	U	6.7	U	0.0013	U	**0.024**	**J**	**0.013**	**J**	0.047	U	**0.00062**	**J**	0.0010	U
Carbon tetrachloride	0.76	22	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Chlorobenzene	1.1	500	**0.00023**	**J**	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Chloroethane	NC	NC	**0.056**		**0.037**		**0.0056**		**0.013**		0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	**0.0029**		0.0010	U
Chloroform	0.37	350	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Chloromethane	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
cis-1,2-Dichloroethene	0.25	500	0.00094	U	**0.00036**	**J**	**0.00016**	**J**	**0.00088**	**J**	**7.6**		**3.1**		0.0011	U	0.00088	U	**27**		**0.0014**		0.057	U	0.052	U	0.047	U	**0.00067**	**J**	0.0010	U
cis-1,3-Dichloropropene	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Cyclohexane	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	**0.00054**	**J**	0.057	U	0.052	U	0.047	U	**0.00018**	**J**	**0.00026**	**J**
Dibromochloromethane	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Dichlorodifluoromethane	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Ethylbenzene	1	390	0.00094	U	**0.00078**	**J**	**0.00085**	**J**	**0.00095**		0.094	U	0.11	U	0.0011	U	0.00088	U	**230**		**0.0014**		**0.062**		**0.12**		**0.22**		**0.0027**		0.0010	U
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Isopropylbenzene	NC	NC	**0.0015**		0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	**10**		0.0013	U	**0.093**		**0.083**		**0.023**	**J**	**0.00016**	**J**	0.0010	U
Methyl acetate	NC	NC	0.0047	U	0.0051	U	0.0050	U	0.0047	U	0.47	U	**0.21**	**J**	0.0053	U	0.0044	U	33	U	0.0067	U	**0.09**	**J**	**0.051**	**J**	0.24	U	0.0039	U	0.0052	U
Methyl tert-butyl ether	0.93	500	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Methylcyclohexane	NC	NC	**0.0016**		0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	**46**		**0.0011**	**J**	**0.26**		**0.11**		0.047	U	**0.0031**		**0.00052**	**J**
Methylene chloride	0.05	500	**0.0033**	**B**	**0.0054**	**B**	**0.0029**	**B**	**0.0024**		0.094	U	0.11	U	**0.0023**		**0.0029**	**B**	6.7	U	**0.0045**		0.057	U	0.052	U	0.047	U	**0.00064**	**J**	**0.0023**	
Styrene	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Tetrachloroethene	1.3	150	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Toluene	0.7	500	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	**1.2**		0.0011	U	0.00088	U	**2,700**		**0.037**		**0.06**		**0.52**		**0.062**		**0.017**		0.0010	U
trans-1,2-Dichloroethene	0.19	500	0.00094	U	0.0010	U	0.0010	U	**0.00026**	**J**	0.094	U	**0.082**	**J**	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	**0.00023**	**J**	0.0010	U
trans-1,3-Dichloropropene	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Trichloroethene	0.47	200	0.00094	U	**0.00024**	**J**	0.0010	U	**0.00053**	**J**	0.094	U	**37**		0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Trichlorofluoromethane	NC	NC	0.00094	U	0.0010	U	0.0010	U	0.00094	U	0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Vinyl chloride	0.02	13	0.00094	U	0.0010	U	0.0010	U	**0.0049**		0.094	U	0.11	U	0.0011	U	0.00088	U	6.7	U	0.0013	U	0.057	U	0.052	U	0.047	U	0.00078	U	0.0010	U
Xylenes, total	0.26	500	**0.0031**		**0.0017**	**J**	**0.0023**		**0.0021**		**0.033**	**J**	0.21	U	0.0021	U	0.0018	U	**960**		**0.0031**		**9.6**		**5.6**		**0.91**		**0.013**		0.0021	U

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-210						HOW-SB-211														HOW-SB-212			
Sample Name:			HOW-SB-210 (23)		HOW-SB-210 (26)		HOW-SB-210 (28)		HOW-SB-211 (3)		HOW-SB-211 (6)		HOW-SB-211 (8)		HOW-SB-211 (11)		HOW-SB-211 (14)		HOW-SB-211 (17)		HOW-SB-211 (20)		HOW-SB-211 (23)		HOW-SB-211 (26)		HOW-SB-211 (28)		HOW-SB-212 (3)		HOW-SB-212 (6)	
Laboratory Sample ID:			460-179018-18		460-179018-19		460-179018-20		460-179018-21		460-179018-22		460-179018-23		460-179018-24		460-179018-25		460-179018-26		460-179018-27		460-179018-28		460-179018-29		460-179018-30		460-179018-31		460-179018-32	
Sample Depth (ft. bgs.):			23		26		28		3		6		8		11		14		17		20		23		26		28		3		6	
Sample Date:			04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019		04/05/2019	
Matrix:			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Unit:			mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)																														
1,1,1-Trichloroethane	0.68	500	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
1,1,2,2-Tetrachloroethane	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
1,1,2-Trichloroethane	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	**0.072**		0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
1,1-Dichloroethane	0.27	240	0.00096	U	0.0010	U	0.00075	U	**0.13**		**0.09**		**0.06**		0.054	U	**0.028**	**J**	**0.045**	**J**	**0.025**		**0.12**		0.052	U	**0.00034**	**J**	**0.0010**		0.049	U
1,1-Dichloroethene	0.33	500	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
1,2,4-Trichlorobenzene	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
1,2-Dibromo-3-chloropropane	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
1,2-Dichlorobenzene	1.1	500	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
1,2-Dichloroethane	0.02	30	**0.0045**		0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	**0.00084**	**J**	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
1,2-Dichloropropane	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
1,3-Dichlorobenzene	2.4	280	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
1,4-Dichlorobenzene	1.8	130	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
2-Butanone (MEK)	0.12	500	**0.0012**	**J**	0.0050	U	**0.0013**	**J**	**0.16**	**J**	**0.21**	**J**	**0.16**	**J**	**0.23**	**J**	0.17	U	0.27	U	0.0045	U	0.27	U	0.26	U	0.0051	U	**0.011**		0.25	U
2-Hexanone	NC	NC	0.0048	U	0.0050	U	0.0038	U	0.24	U	0.3	U	0.26	U	0.27	U	0.17	U	0.27	U	0.0045	U	0.27	U	0.26	U	0.0051	U	0.0041	U	0.25	U
4-Methyl-2-pentanone	NC	NC	0.0048	U	0.0050	U	0.0038	U	0.24	U	0.3	U	**0.2**	**J**	**0.25**	**J**	0.17	U	**0.17**	**J**	0.0045	U	0.27	U	0.26	U	0.0051	U	**0.0014**	**J**	0.25	U
Acetone	0.05	500	**0.011**		**0.0071**		**0.0069**		**0.33**		**0.33**		**0.29**		**0.4**		0.17	U	0.27	U	**0.0068**		0.27	U	0.26	U	**0.0078**		**0.077**		0.25	U
Benzene	0.06	44	**0.00038**	**J**	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	**0.00067**	**J**	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Bromodichloromethane	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Bromoform	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Bromomethane	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Carbon disulfide	NC	NC	**0.00036**	**J**	0.0010	U	0.00075	U	0.048	U	0.059	U	**0.016**	**J**	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	**0.00060**	**J**	0.049	U
Carbon tetrachloride	0.76	22	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Chlorobenzene	1.1	500	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Chloroethane	NC	NC	**0.0033**		0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Chloroform	0.37	350	0.00096	U	0.0010	U	0.00075	U	**0.016**	**J**	**0.043**	**J**	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Chloromethane	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
cis-1,2-Dichloroethene	0.25	500	**0.00044**	**J**	0.0010	U	0.00075	U	**0.72**		**1.4**		**0.021**	**J**	**0.033**	**J**	**0.013**	**J**	**0.35**		**0.00014**	**J**	**0.043**	**J**	**0.018**	**J**	**0.00020**	**J**	**0.0054**		0.049	U
cis-1,3-Dichloropropene	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Cyclohexane	NC	NC	0.00096	U	**0.00022**	**J**	0.00075	U	0.048	U	0.059	U	**0.03**	**J**	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	**0.00026**	**J**	0.00082	U	0.049	U
Dibromochloromethane	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Dichlorodifluoromethane	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Ethylbenzene	1	390	**0.00047**	**J**	0.0010	U	0.00075	U	**1.9**		**1.1**		**7.1**		**1.6**		**2.2**		**5.3**		0.00089	U	**0.081**		**0.28**		0.0010	U	**0.0011**		**0.41**	
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Isopropylbenzene	NC	NC	0.00096	U	0.0010	U	0.00075	U	**0.73**		**0.34**		**0.44**		**0.14**		**0.11**		**0.31**		0.00089	U	0.055	U	0.052	U	0.0010	U	**0.00038**	**J**	**0.036**	**J**
Methyl acetate	NC	NC	0.0048	U	0.0050	U	0.0038	U	**0.23**	**J**	**0.098**	**J**	**0.23**	**J**	**0.072**	**J**	**0.066**	**J**	**0.11**	**J**	0.0045	U	0.27	U	0.26	U	0.0051	U	0.0041	U	0.25	U
Methyl tert-butyl ether	0.93	500	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Methylcyclohexane	NC	NC	**0.00044**	**J**	**0.00048**	**J**	**0.00033**	**J**	**0.013**	**J**	0.059	U	**0.43**		0.054	U	**0.041**		**0.11**		0.00089	U	0.055	U	0.052	U	**0.00054**	**J**	**0.00025**	**J**	0.049	U
Methylene chloride	0.05	500	**0.0020**		**0.0041**		**0.0015**		0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	**0.0022**		0.055	U	0.052	U	**0.0046**		**0.0010**		0.049	U
Styrene	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Tetrachloroethene	1.3	150	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	**0.038**	**J**	0.054	U	0.035	U	**0.023**	**J**	0.00089	U	0.055	U	0.052	U	0.0010	U	**0.00083**		0.049	U
Toluene	0.7	500	**0.0014**		0.0010	U	**0.00080**		**9.7**		**6**		**26**		**9.5**		**9**		**19**		0.00089	U	**0.39**		**0.94**		**0.0016**		**0.0031**		**0.095**	
trans-1,2-Dichloroethene	0.19	500	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	**0.085**		0.054	U	**0.027**	**J**	**0.027**	**J**	**0.00039**	**J**	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
trans-1,3-Dichloropropene	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Trichloroethene	0.47	200	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	**0.0014**		0.049	U
Trichlorofluoromethane	NC	NC	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	0.00082	U	0.049	U
Vinyl chloride	0.02	13	0.00096	U	0.0010	U	0.00075	U	0.048	U	0.059	U	0.052	U	0.054	U	0.035	U	0.053	U	0.00089	U	0.055	U	0.052	U	0.0010	U	**0.00083**		0.049	U
Xylenes, total	0.26	500	**0.0030**		0.0020	U	0.0015	U	**9.3**		**5.3**		**27**		**7**		**8.4**		**22**		0.0018	U	**0.37**		**1.1**		**0.00043**	**J**	**0.0070**		**1.8**	

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

		Sample Location:	HOW-SB-212								HOW-SB-213						
		Sample Name:	HOW-SB-212 (9)	HOW-SB-212 (11)	HOW-SB-212 (14)	HOW-SB-212 (17)	HOW-SB-212 (20)	HOW-SB-212 (23)	HOW-SB-212 (26)	HOW-SB-212 (29)	HOW-SB-213 (2.5)	HOW-SB-213 (6)	HOW-SB-213 (8)	HOW-SB-213 (11)	HOW-SB-213 (14)	HOW-SB-213 (17)	HOW-SB-213 (20)
		Laboratory Sample ID:	460-179018-33	460-179018-34	460-179018-35	460-179018-36	460-179018-37	460-179018-38	460-179018-39	460-179018-40	460-178747-13	460-178747-14	460-178747-15	460-178747-16	460-178747-17	460-178747-18	460-178747-19
		Sample Depth (ft. bgs.):	9	11	14	17	20	23	26	29	2.5	6	8	11	14	17	20
		Sample Date:	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019
		Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		Unit:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)															
1,1,1-Trichloroethane	0.68	500	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	**0.13** J	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
1,1,2,2-Tetrachloroethane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
1,1,2-Trichloroethane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.058 U	0.052 U	**0.41**	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
1,1-Dichloroethane	0.27	240	**0.04** J	**0.016** J	**0.034** J	0.05 U	**0.011**	0.00097 U	**0.00031** J	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	**0.012**	**0.017**	0.00095 U
1,1-Dichloroethene	0.33	500	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
1,2,4-Trichlorobenzene	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
1,2-Dibromo-3-chloropropane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
1,2-Dichlorobenzene	1.1	500	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
1,2-Dichloroethane	0.02	30	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	**0.0019**	**0.00053** J	0.00095 U
1,2-Dichloropropane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
1,3-Dichlorobenzene	2.4	280	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
1,4-Dichlorobenzene	1.8	130	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
2-Butanone (MEK)	0.12	500	0.29 U	0.26 U	0.28 U	0.25 U	0.0049 U	0.0049 U	0.0044 U	0.0057 U	5.8 U	2.2 U	0.47 U	1.7 U	0.0056 U	0.0049 U	0.0048 U
2-Hexanone	NC	NC	0.29 U	0.26 U	0.28 U	0.25 U	0.0049 U	0.0049 U	0.0044 U	0.0057 U	5.8 U	2.2 U	0.47 U	1.7 U	0.0056 U	0.0049 U	0.0048 U
4-Methyl-2-pentanone	NC	NC	0.29 U	0.26 U	0.28 U	0.25 U	0.0049 U	0.0049 U	0.0044 U	0.0057 U	5.8 U	2.2 U	0.47 U	1.7 U	0.0056 U	0.0049 U	0.0048 U
Acetone	0.05	500	0.29 U	0.26 U	0.28 U	0.25 U	**0.0081**	**0.01**	**0.0067**	**0.012**	5.8 U	2.2 U	0.47 U	1.7 U	**0.02**	**0.016**	**0.011** B
Benzene	0.06	44	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	**0.00095** J	**0.00036** J	0.00095 U
Bromodichloromethane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Bromoform	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Bromomethane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Carbon disulfide	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	**0.00047** J	**0.0011**	**0.00031** J
Carbon tetrachloride	0.76	22	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Chlorobenzene	1.1	500	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Chloroethane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	**0.0043**	**0.018**	0.00095 U
Chloroform	0.37	350	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Chloromethane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
cis-1,2-Dichloroethene	0.25	500	**0.017** J	0.052 U	**0.049** J	0.05 U	0.00098 U	0.00097 U	**0.00082** J	0.0011 U	**2**	**6.3**	0.095 U	**1.3**	**0.00041** J	0.00098 U	0.00095 U
cis-1,3-Dichloropropene	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Cyclohexane	NC	NC	**0.022** J	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	**0.51** J	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Dibromochloromethane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Dichlorodifluoromethane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Ethylbenzene	1	390	**3.2**	**2.4**	**0.5**	**2.8**	0.00098 U	0.00097 U	0.00089 U	0.0011 U	**71**	**20**	**0.22**	**18**	**0.00059** J	**0.0020**	0.00095 U
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Isopropylbenzene	NC	NC	**0.053** J	0.052 U	0.056 U	**0.022** J	0.00098 U	0.00097 U	0.00089 U	0.0011 U	**2.9**	**0.41** J	**0.11**	**0.7**	0.0011 U	0.00098 U	0.00095 U
Methyl acetate	NC	NC	0.29 U	**0.035** J	0.28 U	**0.11** J	0.0049 U	0.0049 U	0.0044 U	0.0057 U	5.8 U	2.2 U	0.47 U	1.7 U	0.0056 U	0.0049 U	0.0048 U
Methyl tert-butyl ether	0.93	500	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Methylcyclohexane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	**0.00045** J	**0.00024** J	**0.00020** J	**20**	**3**	0.095 U	**0.73**	**0.0010** J	**0.00047** J	0.00095 U
Methylene chloride	0.05	500	0.058 U	0.052 U	0.056 U	0.05 U	**0.0036**	**0.0019**	**0.0021**	**0.0046**	1.2 U	0.44 U	0.095 U	0.35 U	**0.0041**	**0.0034**	**0.0019**
Styrene	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Tetrachloroethene	1.3	150	0.058 U	0.052 U	**0.09**	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Toluene	0.7	500	**9.3**	**5**	**0.23**	**6**	0.00098 U	**0.00073** J	0.00089 U	0.0011 U	**260**	**160**	**0.054** J	**88**	**0.0029**	**0.0014**	0.00095 U
trans-1,2-Dichloroethene	0.19	500	**0.036** J	0.052 U	**0.023** J	**0.015** J	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	**0.00036** J	0.00098 U	0.00095 U
trans-1,3-Dichloropropene	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Trichloroethene	0.47	200	0.058 U	0.052 U	**0.027** J	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Trichlorofluoromethane	NC	NC	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	0.00089 U	0.0011 U	1.2 U	0.44 U	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Vinyl chloride	0.02	13	0.058 U	0.052 U	0.056 U	0.05 U	0.00098 U	0.00097 U	**0.0011**	0.0011 U	1.2 U	**0.25** J	0.095 U	0.35 U	0.0011 U	0.00098 U	0.00095 U
Xylenes, total	0.26	500	**12**	**9.9**	**1.5**	**11**	0.0020 U	0.0019 U	0.0018 U	0.0023 U	**420**	**86**	**18**	**100**	**0.0039**	**0.01**	0.0019 U

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-213						HOW-SB-214														HOW-SB-215			
Sample Name:			HOW-SB-213 (23)		HOW-SB-213 (26)		HOW-SB-213 (29)		HOW-SB-214 (3)		HOW-SB-214 (6)		HOW-SB-214 (8)		HOW-SB-214 (11)		HOW-SB-214 (14)		HOW-SB-214 (17)		HOW-SB-214 (20)		HOW-SB-214 (23)		HOW-SB-214 (26)		HOW-SB-214 (29)		HOW-SB-215 (3)		HOW-SB-215 (6)	
Laboratory Sample ID:			460-178747-20		460-178747-21		460-178747-22		460-179139-14		460-179139-15		460-179139-16		460-179139-17		460-179139-18		460-179139-19		460-179139-20		460-179139-21		460-179139-22		460-179139-23		460-179139-4		460-179139-5	
Sample Depth (ft. bgs.):			23		26		29		3		6		8		11		14		17		20		23		26		29		3		6	
Sample Date:			04/03/2019		04/03/2019		04/03/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019	
Matrix:			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Unit:			mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)																														
1,1,1-Trichloroethane	0.68	500	0.00095	U	0.11	U	0.00083	U	**1.6**	**J**	**0.17**	**J**	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	**0.048**	
1,1,2,2-Tetrachloroethane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
1,1,2-Trichloroethane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.00095	U	0.11	U	0.00083	U	**2.5**		0.28	U	0.00077	U	**0.024**	**J**	0.1	U	0.052	U	**0.00035**	**J**	0.0011	U	0.0010	U	**0.074**		**62**		**0.11**	
1,1-Dichloroethane	0.27	240	**0.0026**		0.11	U	0.00083	U	**1.5**	**J**	0.28	U	0.00077	U	**0.074**		0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	**0.23**		**12**		**0.37**	
1,1-Dichloroethene	0.33	500	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
1,2,4-Trichlorobenzene	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
1,2-Dibromo-3-chloropropane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
1,2-Dichlorobenzene	1.1	500	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
1,2-Dichloroethane	0.02	30	**0.0011**		0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
1,2-Dichloropropane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
1,3-Dichlorobenzene	2.4	280	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
1,4-Dichlorobenzene	1.8	130	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
2-Butanone (MEK)	0.12	500	0.0047	U	0.57	U	0.0042	U	10	U	1.4	U	0.0038	U	0.23	U	0.52	U	0.26	U	0.0048	U	0.0055	U	0.0051	U	0.31	U	12	U	0.22	U
2-Hexanone	NC	NC	0.0047	U	0.57	U	0.0042	U	10	U	1.4	U	0.0038	U	0.23	U	0.52	U	0.26	U	0.0048	U	0.0055	U	0.0051	U	0.31	U	12	U	0.22	U
4-Methyl-2-pentanone	NC	NC	0.0047	U	0.57	U	0.0042	U	10	U	1.4	U	0.0038	U	0.23	U	0.52	U	0.26	U	0.0048	U	0.0055	U	0.0051	U	0.31	U	12	U	0.22	U
Acetone	0.05	500	**0.014**	**B**	0.57	U	**0.012**		10	U	1.4	U	**0.0067**		0.23	U	0.52	U	0.26	U	**0.012**		**0.0072**		**0.01**		0.31	U	12	U	0.22	U
Benzene	0.06	44	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Bromodichloromethane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Bromoform	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Bromomethane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Carbon disulfide	NC	NC	**0.00059**	**J**	0.11	U	**0.00039**	**J**	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	**0.013**	**J**
Carbon tetrachloride	0.76	22	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Chlorobenzene	1.1	500	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Chloroethane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Chloroform	0.37	350	0.00095	U	0.11	U	0.00083	U	**0.78**	**J**	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	**0.79**	**J**	**0.071**	
Chloromethane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
cis-1,2-Dichloroethene	0.25	500	**0.00094**	**J**	**0.038**	**J**	0.00083	U	**64**		**4**		**0.00048**	**J**	**0.014**	**J**	0.1	U	**0.032**	**J**	**0.00047**	**J**	**0.0013**		**0.00017**	**J**	**12**		**130**		**4.3**	
cis-1,3-Dichloropropene	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Cyclohexane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	**3.2**		0.045	U
Dibromochloromethane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Dichlorodifluoromethane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Ethylbenzene	1	390	**0.00023**	**J**	**1.5**		0.00083	U	**110**		**29**		0.00077	U	**1.2**		**7.2**		**0.044**	**J**	**0.00041**	**J**	**0.00044**	**J**	0.0010	U	**7.2**		**190**		**5.6**	
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Isopropylbenzene	NC	NC	0.00095	U	**0.067**	**J**	0.00083	U	**6.3**		**1.9**		0.00077	U	**0.026**	**J**	**0.55**		0.052	U	0.00097	U	0.0011	U	0.0010	U	**0.27**		**110**		**1.1**	
Methyl acetate	NC	NC	0.0047	U	0.57	U	0.0042	U	10	U	**0.2**	**J**	0.0038	U	**0.088**	**J**	**0.17**	**J**	**0.18**	**J**	0.0048	U	0.0055	U	0.0051	U	0.31	U	12	U	**0.18**	**J**
Methyl tert-butyl ether	0.93	500	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	**0.00011**	**J**	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Methylcyclohexane	NC	NC	0.00095	U	0.11	U	0.00083	U	**26**		**0.19**	**J**	0.00077	U	0.046	U	**0.085**	**J**	0.052	U	**0.0015**		**0.0010**	**J**	0.0010	U	**0.16**		**12**		**0.078**	
Methylene chloride	0.05	500	**0.0027**		0.11	U	**0.0039**		2	U	0.28	U	**0.0026**		0.046	U	0.1	U	0.052	U	**0.0021**		**0.0025**		**0.0036**		0.062	U	2.4	U	0.045	U
Styrene	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Tetrachloroethene	1.3	150	0.00095	U	0.11	U	0.00083	U	**4.1**		**0.22**	**J**	0.00077	U	**0.051**		0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	**63**		**0.06**	
Toluene	0.7	500	**0.0016**		**4.6**		0.00083	U	**560**		**70**		**0.00065**	**J**	**3.5**		**5.1**		**0.068**		**0.0020**		**0.0040**		0.0010	U	**22**		**580**		**16**	
trans-1,2-Dichloroethene	0.19	500	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	**0.016**	**J**	2.4	U	0.045	U
trans-1,3-Dichloropropene	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Trichloroethene	0.47	200	**0.00045**	**J**	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	**14**		0.045	U
Trichlorofluoromethane	NC	NC	0.00095	U	0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	0.062	U	2.4	U	0.045	U
Vinyl chloride	0.02	13	**0.0020**		0.11	U	0.00083	U	2	U	0.28	U	0.00077	U	0.046	U	0.1	U	0.052	U	0.00097	U	0.0011	U	0.0010	U	**2.2**		**0.88**	**J**	0.045	U
Xylenes, total	0.26	500	**0.00080**	**J**	**8.6**		0.0017	U	**640**		**160**		**0.00021**	**J**	**1.9**		**36**		**0.11**		**0.0022**		**0.0022**		0.0021	U	**39**		**1,700**		**27**	

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

		Sample Location:	HOW-SB-215								HOW-SB-216						
		Sample Name:	HOW-SB-215 (9)	HOW-SB-215 (11)	HOW-SB-215 (14)	HOW-SB-215 (17)	HOW-SB-215 (20)	HOW-SB-215 (23)	HOW-SB-215 (26)	HOW-SB-215 (29)	HOW-SB-216 (3)	HOW-SB-216 (6)	HOW-SB-216 (8)	HOW-SB-216 (11)	HOW-SB-216 (14)	HOW-SB-216 (17)	HOW-SB-216 (20)
		Laboratory Sample ID:	460-179139-6	460-179139-7	460-179139-8	460-179139-9	460-179139-10	460-179139-11	460-179139-12	460-179139-13	460-179018-41	460-179018-42	460-179018-43	460-179018-44	460-179018-45	460-179018-46	460-179018-47
		Sample Depth (ft. bgs.):	9	11	14	17	20	23	26	29	3	6	8	11	14	17	20
		Sample Date:	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/08/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019	04/05/2019
		Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		Unit:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)															
1,1,1-Trichloroethane	0.68	500	0.12 U	0.056 U	**0.018** J	**0.12**	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
1,1,2,2-Tetrachloroethane	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
1,1,2-Trichloroethane	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	**1.3**	**0.39**	**0.09**	**0.031** J	**4.5**	**0.012**	0.00093 U	**0.0010**	0.046 U	0.054 U	**0.9**	**0.031** J	**0.038** J	**0.8**	0.00080 U
1,1-Dichloroethane	0.27	240	**0.76**	**0.22**	**0.52**	**0.23**	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	**0.29**	**0.022** J	**0.046** J	**0.03** J	0.00080 U
1,1-Dichloroethene	0.33	500	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
1,2,4-Trichlorobenzene	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
1,2-Dibromo-3-chloropropane	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
1,2-Dichlorobenzene	1.1	500	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
1,2-Dichloroethane	0.02	30	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
1,2-Dichloropropane	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
1,3-Dichlorobenzene	2.4	280	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
1,4-Dichlorobenzene	1.8	130	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
2-Butanone (MEK)	0.12	500	0.59 U	0.28 U	0.32 U	0.28 U	0.3 U	**0.017**	**0.0011** BJ	0.0040 U	0.23 U	0.27 U	0.52 U	0.2 U	0.26 U	0.24 U	0.0040 U
2-Hexanone	NC	NC	0.59 U	0.28 U	0.32 U	0.28 U	0.3 U	0.0055 U	0.0046 U	0.0040 U	0.23 U	0.27 U	0.52 U	0.2 U	0.26 U	0.24 U	0.0040 U
4-Methyl-2-pentanone	NC	NC	0.59 U	0.28 U	0.32 U	0.28 U	0.3 U	0.0055 U	0.0046 U	0.0040 U	0.23 U	0.27 U	0.52 U	0.2 U	0.26 U	0.24 U	0.0040 U
Acetone	0.05	500	0.59 U	**0.29**	0.32 U	0.28 U	0.3 U	**0.025**	**0.0063**	**0.0076**	**0.51**	0.27 U	0.52 U	0.2 U	0.26 U	0.24 U	**0.0076**
Benzene	0.06	44	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Bromodichloromethane	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Bromoform	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Bromomethane	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Carbon disulfide	NC	NC	0.12 U	**0.012** J	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Carbon tetrachloride	0.76	22	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Chlorobenzene	1.1	500	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Chloroethane	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Chloroform	0.37	350	**0.052** J	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Chloromethane	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
cis-1,2-Dichloroethene	0.25	500	**9.7**	**1.4**	**0.026** J	**3.2**	**1.4**	**0.0043**	**0.00020** J	**0.00017** J	**0.014** J	0.054 U	**0.24**	**0.021** J	**0.017** J	**0.065**	0.00080 U
cis-1,3-Dichloropropene	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Cyclohexane	NC	NC	**0.05** J	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	**0.081** J	0.04 U	0.052 U	0.047 U	0.00080 U
Dibromochloromethane	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Dichlorodifluoromethane	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	**0.00039** J	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Ethylbenzene	1	390	**8.4**	**3.2**	**1.8**	**0.2**	**6.6**	**0.00079** J	0.00093 U	0.00081 U	**0.16**	**0.86**	**9.3**	**0.33**	**0.59**	**1.5**	0.00080 U
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Isopropylbenzene	NC	NC	**1.5**	**0.27**	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	**0.073**	**0.13**	**0.56**	0.04 U	0.052 U	**0.026** J	0.00080 U
Methyl acetate	NC	NC	**0.18** J	**0.19** J	**0.084** J	**0.072** J	**0.064** J	0.0055 U	0.0046 U	0.0040 U	**0.45**	**0.11** J	**0.17** J	0.2 U	0.26 U	0.24 U	0.0040 U
Methyl tert-butyl ether	0.93	500	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Methylcyclohexane	NC	NC	**0.44**	**0.53**	0.065 U	0.056 U	0.061 U	**0.00056** J	0.00093 U	**0.00025** J	0.046 U	0.054 U	**1.1**	**0.076**	0.052 U	**0.12**	**0.00016** J
Methylene chloride	0.05	500	0.12 U	0.056 U	0.065 U	0.056 U	**0.028** J	**0.0036**	**0.0018**	**0.0032**	0.046 U	0.054 U	0.1 U	0.04 U	**0.022** J	0.047 U	**0.0017**
Styrene	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Tetrachloroethene	1.3	150	**0.056** J	**0.13**	**0.029** J	0.056 U	**0.44**	0.0011 U	0.00093 U	0.00081 U	**0.039** J	**0.052** J	**0.27**	0.04 U	**0.021** J	**0.11**	0.00080 U
Toluene	0.7	500	**24**	**19**	**22**	**0.71**	**0.084**	**0.0037**	0.00093 U	0.00081 U	**0.16**	**0.27**	**1.5**	**0.68**	**0.12**	**0.2**	0.00080 U
trans-1,2-Dichloroethene	0.19	500	0.12 U	**0.048** J	**0.022** J	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	**0.041** J	0.00080 U
trans-1,3-Dichloropropene	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Trichloroethene	0.47	200	0.12 U	0.056 U	**0.038** J	**0.028** J	**0.066**	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	**0.06** J	0.04 U	0.052 U	0.047 U	0.00080 U
Trichlorofluoromethane	NC	NC	0.12 U	0.056 U	0.065 U	0.056 U	0.061 U	0.0011 U	0.00093 U	0.00081 U	0.046 U	0.054 U	0.1 U	0.04 U	0.052 U	0.047 U	0.00080 U
Vinyl chloride	0.02	13	**0.54**	**0.23**	0.065 U	0.056 U	**0.074**	**0.016**	0.00093 U	**0.00056** J	0.046 U	0.054 U	**0.026** J	0.04 U	0.052 U	0.047 U	0.00080 U
Xylenes, total	0.26	500	**38**	**12**	**5.8**	**0.8**	**27**	**0.0036**	0.0019 U	**0.00045** J	**0.85**	**3.2**	**33**	**1.1**	**2.3**	**5.1**	0.0016 U

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-216						HOW-SB-217												HOW-SB-218			
Sample Name:			HOW-SB-216 (23)		HOW-SB-216 (26)		HOW-SB-216 (29)		HOW-SB-217 (3)		HOW-SB-217 (6)		HOW-SB-217 (8)		HOW-SB-217 (11)		HOW-SB-217 (14)		HOW-SB-217 (17)		HOW-SB-217 (20)		HOW-SB-217 (23)		HOW-SB-217 (26)		HOW-SB-217 (28)		HOW-SB-218(3)		HOW-SB-218(6)	
Laboratory Sample ID:			460-179139-1		460-179139-2		460-179139-3		460-179139-24		460-179139-25		460-179139-26		460-179139-27		460-179139-28		460-179139-29		460-179139-30		460-179139-31		460-179139-32		460-179139-33		460-179209-16		460-179209-17	
Sample Depth (ft. bgs.):			23		26		29		3		6		8		11		14		17		20		23		26		28		3		6	
Sample Date:			04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/08/2019		04/09/2019		04/09/2019	
Matrix:			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Unit:			mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)																														
1,1,1-Trichloroethane	0.68	500	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	**0.79**	**J**	0.052	U
1,1,2,2-Tetrachloroethane	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
1,1,2-Trichloroethane	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.00089	U	**0.00034**	**J**	0.0010	U	2.4	U	**0.099**		0.056	U	0.058	U	**0.00044**	**J**	**0.34**		0.0010	U	**0.0027**		0.00095	U	0.0011	U	**3**		0.052	U
1,1-Dichloroethane	0.27	240	0.00089	U	0.00093	U	0.0010	U	2.4	U	**0.085**	**J**	**0.068**		0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	**0.97**	**J**	0.052	U
1,1-Dichloroethene	0.33	500	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
1,2,4-Trichlorobenzene	NC	NC	**0.00010**	**BJ**	0.00093	U	**0.000098**	**BJ**	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
1,2-Dibromo-3-chloropropane	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
1,2-Dichlorobenzene	1.1	500	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
1,2-Dichloroethane	0.02	30	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
1,2-Dichloropropane	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
1,3-Dichlorobenzene	2.4	280	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
1,4-Dichlorobenzene	1.8	130	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
2-Butanone (MEK)	0.12	500	0.0045	U	0.0046	U	0.0051	U	12	U	0.47	U	0.28	U	0.29	U	**0.0052**		0.26	U	0.0050	U	**0.0039**	**J**	0.0048	U	0.0055	U	7.3	U	0.26	U
2-Hexanone	NC	NC	0.0045	U	0.0046	U	0.0051	U	12	U	0.47	U	0.28	U	0.29	U	0.0048	U	0.26	U	0.0050	U	0.0048	U	0.0048	U	0.0055	U	7.3	U	0.26	U
4-Methyl-2-pentanone	NC	NC	0.0045	U	0.0046	U	0.0051	U	12	U	0.47	U	0.28	U	0.29	U	0.0048	U	0.26	U	0.0050	U	0.0048	U	0.0048	U	0.0055	U	7.3	U	0.26	U
Acetone	0.05	500	**0.011**		**0.012**		**0.014**		12	U	0.47	U	0.28	U	0.29	U	**0.021**		0.26	U	**0.012**		**0.016**		**0.0096**		**0.014**		7.3	U	0.26	U
Benzene	0.06	44	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Bromodichloromethane	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Bromoform	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Bromomethane	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Carbon disulfide	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	**0.00085**	**J**	**0.00084**	**J**	0.0011	U	1.5	U	0.052	U
Carbon tetrachloride	0.76	22	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Chlorobenzene	1.1	500	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Chloroethane	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Chloroform	0.37	350	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Chloromethane	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
cis-1,2-Dichloroethene	0.25	500	0.00089	U	**0.00017**	**J**	0.0010	U	**8.4**		**1.5**		**4**		**0.038**	**J**	**0.0053**		0.053	U	0.0010	U	**0.0022**		**0.00030**	**J**	**0.00030**	**J**	**11**		0.052	U
cis-1,3-Dichloropropene	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Cyclohexane	NC	NC	0.00089	U	0.00093	U	**0.00028**	**J**	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Dibromochloromethane	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Dichlorodifluoromethane	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Ethylbenzene	1	390	0.00089	U	0.00093	U	0.0010	U	**23**		**6.6**		**0.17**		**0.15**		0.00095	U	**0.44**		0.0010	U	**0.0095**		**0.00043**	**J**	0.0011	U	**86**		**0.26**	
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Isopropylbenzene	NC	NC	0.00089	U	0.00093	U	0.0010	U	**0.97**	**J**	**0.55**		0.056	U	0.058	U	0.00095	U	**0.041**	**J**	0.0010	U	**0.00054**	**J**	0.00095	U	0.0011	U	**4**		0.052	U
Methyl acetate	NC	NC	0.0045	U	0.0046	U	0.0051	U	12	U	**0.28**	**J**	**0.15**	**J**	**0.28**	**J**	**0.0069**		0.26	U	0.0050	U	**0.0077**		0.0048	U	0.0055	U	**1.4**	**J**	0.26	U
Methyl tert-butyl ether	0.93	500	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Methylcyclohexane	NC	NC	0.00089	U	**0.00026**	**J**	**0.00044**	**J**	**2.2**	**J**	**0.14**		0.056	U	0.058	U	**0.00060**	**J**	**0.2**		**0.00025**	**J**	**0.011**		**0.0014**		**0.00060**	**J**	**2.2**		0.052	U
Methylene chloride	0.05	500	**0.0011**		**0.0023**		**0.0047**		2.4	U	0.094	U	0.056	U	0.058	U	**0.0028**		**0.02**	**J**	**0.0028**		**0.0023**		**0.0030**		**0.0055**		1.5	U	0.052	U
Styrene	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Tetrachloroethene	1.3	150	0.00089	U	0.00093	U	0.0010	U	**73**		**2.8**		**0.089**		**0.028**	**J**	**0.00018**	**J**	**0.35**		0.0010	U	**0.0045**		**0.00025**	**J**	0.0011	U	1.5	U	0.052	U
Toluene	0.7	500	0.00089	U	0.00093	U	0.0010	U	**200**		**23**		**1.9**		**0.2**		**0.0025**		**0.16**		0.0010	U	**0.016**		**0.0018**		0.0011	U	**70**		**0.43**	
trans-1,2-Dichloroethene	0.19	500	0.00089	U	0.00093	U	0.0010	U	2.4	U	**0.044**	**J**	**0.23**		0.058	U	**0.00026**	**J**	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
trans-1,3-Dichloropropene	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Trichloroethene	0.47	200	0.00089	U	0.00093	U	0.0010	U	**35**		**0.38**		**0.52**		**0.026**	**J**	**0.00033**	**J**	0.053	U	0.0010	U	**0.00079**	**J**	0.00095	U	0.0011	U	1.5	U	0.052	U
Trichlorofluoromethane	NC	NC	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	0.00095	U	0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Vinyl chloride	0.02	13	0.00089	U	0.00093	U	0.0010	U	2.4	U	0.094	U	0.056	U	0.058	U	**0.0011**		0.053	U	0.0010	U	0.00096	U	0.00095	U	0.0011	U	1.5	U	0.052	U
Xylenes, total	0.26	500	0.0018	U	0.0019	U	0.0020	U	**110**		**34**		**0.63**		**0.57**		**0.00092**	**J**	**1.7**		0.0020	U	**0.036**		**0.0018**	**J**	0.0022	U	**470**		**0.97**	

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-218														HOW-SB-219													
Sample Name:			HOW-SB-218(9)		HOW-SB-218(11)		HOW-SB-218(14)		HOW-SB-218(17)		HOW-SB-218(20)		HOW-SB-218(23)		HOW-SB-218(26)		HOW-SB-218(29)		HOW-SB-219(3)		HOW-SB-219(6)		HOW-SB-219(9)		HOW-SB-219(11)		HOW-SB-219(14)		HOW-SB-219(17)		HOW-SB-219(20)	
Laboratory Sample ID:			460-179209-18		460-179209-19		460-179209-20		460-179209-21		460-179209-22		460-179209-23		460-179209-24		460-179209-25		460-179209-6		460-179209-7		460-179209-8		460-179209-9		460-179209-10		460-179209-11		460-179209-12	
Sample Depth (ft. bgs.):			9		11		14		17		20		23		26		29		3		6		9		11		14		17		20	
Sample Date:			04/09/2019		04/09/2019		04/09/2019		04/09/2019		04/09/2019		04/09/2019		04/09/2019		04/09/2019		04/09/2019		04/09/2019		04/09/2019		04/09/2019		04/09/2019		04/09/2019		04/09/2019	
Matrix:			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Unit:			mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)																														
1,1,1-Trichloroethane	0.68	500	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	**0.38**		0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,1,2,2-Tetrachloroethane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,1,2-Trichloroethane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	**0.00024**	**J**	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.049	U	0.05	U	0.00097	U	**0.016**	**J**	0.067	U	0.0011	U	0.0011	U	0.00079	U	**2.9**		**0.0022**		0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,1-Dichloroethane	0.27	240	**0.076**		**1.1**		**0.023**		**0.32**		**0.24**		**0.0013**		0.0011	U	0.00079	U	**0.91**		**0.0071**		**0.048**	**J**	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,1-Dichloroethene	0.33	500	0.049	U	**0.076**		**0.0018**		**0.066**		0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,2,4-Trichlorobenzene	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,2-Dibromo-3-chloropropane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,2-Dichlorobenzene	1.1	500	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	**0.26**		0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,2-Dichloroethane	0.02	30	0.049	U	0.05	U	**0.0030**		0.048	U	**0.048**	**J**	**0.00043**	**J**	0.0011	U	0.00079	U	0.064	U	**0.00035**	**J**	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,2-Dichloropropane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,3-Dichlorobenzene	2.4	280	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	**0.24**		0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,4-Dichlorobenzene	1.8	130	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	**1.5**		0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
2-Butanone (MEK)	0.12	500	0.25	U	0.25	U	0.0049	U	0.24	U	0.33	U	0.0057	U	0.0057	U	0.0040	U	0.32	U	0.0048	U	0.4	U	0.25	U	0.0053	U	0.0072	U	0.0050	U
2-Hexanone	NC	NC	0.25	U	0.25	U	0.0049	U	0.24	U	0.33	U	0.0057	U	0.0057	U	0.0040	U	0.32	U	0.0048	U	0.4	U	0.25	U	0.0053	U	0.0072	U	0.0050	U
4-Methyl-2-pentanone	NC	NC	0.25	U	0.25	U	0.0049	U	0.24	U	0.33	U	0.0057	U	0.0057	U	0.0040	U	0.32	U	0.0048	U	0.4	U	0.25	U	0.0053	U	0.0072	U	0.0050	U
Acetone	0.05	500	0.25	U	0.25	U	**0.058**		0.24	U	0.33	U	**0.02**		**0.095**		**0.023**		**0.46**		**0.013**		0.4	U	0.25	U	**0.057**		**0.078**		**0.057**	
Benzene	0.06	44	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Bromodichloromethane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Bromoform	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Bromomethane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Carbon disulfide	NC	NC	0.049	U	0.05	U	**0.00036**	**J**	0.048	U	0.067	U	**0.00032**	**J**	0.0011	U	0.00079	U	0.064	U	**0.00030**	**J**	0.08	U	0.05	U	**0.00029**	**J**	0.0014	U	0.0010	U
Carbon tetrachloride	0.76	22	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Chlorobenzene	1.1	500	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	**0.74**		0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Chloroethane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Chloroform	0.37	350	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Chloromethane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
cis-1,2-Dichloroethene	0.25	500	0.049	U	**16**		**0.095**		**6.4**		**0.25**		0.0011	U	**0.00032**	**J**	0.00079	U	**0.087**		**0.00081**	**J**	**2.7**		**1.6**		0.0011	U	**0.00029**	**J**	0.0010	U
cis-1,3-Dichloropropene	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Cyclohexane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	**0.043**	**J**	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Dibromochloromethane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Dichlorodifluoromethane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Ethylbenzene	1	390	**9.8**		0.05	U	0.00097	U	**0.19**		0.067	U	0.0011	U	**0.00051**	**J**	0.00079	U	**0.91**		**0.00024**	**J**	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Isopropylbenzene	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	**0.64**		**0.00024**	**J**	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Methyl acetate	NC	NC	**0.049**	**J**	**0.051**	**J**	0.0049	U	0.24	U	0.33	U	0.0057	U	0.0057	U	0.0040	U	**1.4**		0.0048	U	0.4	U	0.25	U	0.0053	U	0.0072	U	0.0050	U
Methyl tert-butyl ether	0.93	500	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Methylcyclohexane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	**0.27**		**0.00023**	**J**	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Methylene chloride	0.05	500	**0.028**	**J**	**0.024**	**J**	**0.0011**		0.048	U	0.067	U	**0.0017**		**0.0014**		**0.0015**		0.064	U	**0.0018**		0.08	U	0.05	U	**0.0018**		0.0014	U	**0.0010**	
Styrene	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Tetrachloroethene	1.3	150	**0.019**	**J**	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	**0.13**		**0.0021**		**0.56**		0.05	U	0.0011	U	0.0014	U	0.0010	U
Toluene	0.7	500	**0.066**		0.05	U	0.00097	U	**0.26**		0.067	U	0.0011	U	**0.00089**	**J**	0.00079	U	**0.35**		**0.00060**	**J**	**0.043**	**J**	0.05	U	0.0011	U	0.0014	U	0.0010	U
trans-1,2-Dichloroethene	0.19	500	0.049	U	**0.31**		**0.0037**		**0.26**		**0.03**	**J**	0.0011	U	0.0011	U	0.00079	U	**0.17**		**0.0015**		**0.03**	**J**	0.05	U	0.0011	U	0.0014	U	0.0010	U
trans-1,3-Dichloropropene	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Trichloroethene	0.47	200	0.049	U	**0.59**		0.00097	U	**0.02**	**J**	0.067	U	0.0011	U	0.0011	U	0.00079	U	**0.036**	**J**	**0.0049**		**18**		**18**		0.0011	U	**0.00041**	**J**	0.0010	U
Trichlorofluoromethane	NC	NC	0.049	U	0.05	U	0.00097	U	0.048	U	0.067	U	0.0011	U	0.0011	U	0.00079	U	0.064	U	0.00095	U	0.08	U	0.05	U	0.0011	U	0.0014	U	0.0010	U
Vinyl chloride	0.02	13	0.049	U	**0.79**		**0.013**	**J**	**3.6**		**0.71**		**0.0013**		0.0011	U	0.00079	U	**0.013**	**J**	**0.0047**		**0.043**	**J**	0.05	U	0.0011	U	**0.0096**		**0.00098**	**J**
Xylenes, total	0.26	500	**3.5**		**0.026**	**J**	0.0019	U	**0.76**		0.13	U	0.0023	U	**0.0023**		0.0016	U	**2.6**		**0.00052**	**J**	**0.027**	**J**	0.1	U	0.0021	U	0.0029	U	0.0020	U

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-219			HOW-SB-220							HOW-SB-221				
Sample Name:			HOW-SB-219(23)	HOW-SB-219(26)	HOW-SB-219(29)	HOW-SB-220 (6)	HOW-SB-220 (10)	HOW-SB-220 (13.5)	HOW-SB-220 (17)	HOW-SB-220 (20)	HOW-SB-220 (24)	HOW-SB-220 (29)	HOW-SB-221(17)	HOW-SB-221(20)	HOW-SB-221(23)	HOW-SB-221(26)	HOW-SB-221(29)
Laboratory Sample ID:			460-179209-13	460-179209-14	460-179209-15	460-178747-6	460-178747-7	460-178747-8	460-178747-9	460-178747-10	460-178747-11	460-178747-12	460-179209-1	460-179209-2	460-179209-3	460-179209-4	460-179209-5
Sample Depth (ft. bgs.):			23	26	29	6	10	13.5	17	20	24	29	17	20	23	26	29
Sample Date:			04/09/2019	04/09/2019	04/09/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/03/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019	04/09/2019
Matrix:			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Unit:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)															
1,1,1-Trichloroethane	0.68	500	0.00099 U	0.0010 U	0.00087 U	**0.00047 J**	0.00053 U	0.00093 U	**0.12 J**	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	**0.00031 J**	**0.021**	0.0011 U
1,1,2,2-Tetrachloroethane	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.00099 U	0.0010 U	0.00087 U	**0.00088**	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	**0.00058 J**	**0.037**	0.0011 U
1,1-Dichloroethane	0.27	240	0.00099 U	0.0010 U	0.00087 U	**0.0081**	0.00053 U	0.00093 U	0.2 U	**0.0018**	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	**0.0010 J**	0.0011 U
1,1-Dichloroethene	0.33	500	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	**0.00067 J**	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
1,2,4-Trichlorobenzene	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dibromo-3-chloropropane	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	1.1	500	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	30	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloropropane	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	2.4	280	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	1.8	130	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
2-Butanone (MEK)	0.12	500	0.0049 U	0.0051 U	0.0044 U	**0.0015 J**	0.0026 U	0.0046 U	1 U	0.0046 U	0.0050 U	0.89 U	0.28 U	0.29 U	**0.0062**	0.0053 U	0.0054 U
2-Hexanone	NC	NC	0.0049 U	0.0051 U	0.0044 U	0.0040 U	0.0026 U	0.0046 U	1 U	0.0046 U	0.0050 U	0.89 U	0.28 U	0.29 U	0.0055 U	0.0053 U	0.0054 U
4-Methyl-2-pentanone	NC	NC	0.0049 U	0.0051 U	0.0044 U	0.0040 U	0.0026 U	0.0046 U	1 U	0.0046 U	0.0050 U	0.89 U	0.28 U	0.29 U	0.0055 U	**0.0011 J**	0.0054 U
Acetone	0.05	500	**0.053**	**0.021**	**0.051**	**0.019**	**0.0043**	**0.0088**	1 U	**0.014**	**0.021**	0.89 U	0.28 U	0.29 U	**0.02**	**0.0083**	**0.011**
Benzene	0.06	44	0.00099 U	0.0010 U	0.00087 U	**0.0037**	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Bromodichloromethane	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Bromoform	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Bromomethane	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Carbon disulfide	NC	NC	0.00099 U	**0.00040 J**	**0.00080 J**	**0.00053 J**	**0.00014 J**	0.00093 U	0.2 U	0.00093 U	**0.00045 J**	0.18 U	0.056 U	0.058 U	**0.00030 J**	**0.00038 J**	0.0011 U
Carbon tetrachloride	0.76	22	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	500	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Chloroethane	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Chloroform	0.37	350	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	**0.00042 J**	0.0011 U
Chloromethane	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
cis-1,2-Dichloroethene	0.25	500	0.00099 U	**0.00027 J**	**0.00032 J**	**0.0019**	0.00053 U	0.00093 U	**0.19 J**	**0.16**	0.0010 U	**0.1 J**	**1.6**	**0.082**	**0.0044**	**0.016**	0.0011 U
cis-1,3-Dichloropropene	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Cyclohexane	NC	NC	0.00099 U	0.0010 U	0.00087 U	**0.012**	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	**0.0012**	0.0011 U
Dibromochloromethane	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Dichlorodifluoromethane	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Ethylbenzene	1	390	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	**15**	0.00093 U	0.0010 U	**8.3**	0.056 U	0.058 U	0.0011 U	**0.055**	0.0011 U
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Isopropylbenzene	NC	NC	0.00099 U	0.0010 U	0.00087 U	**0.05**	0.00053 U	0.00093 U	**0.27**	0.00093 U	0.0010 U	**0.15 J**	0.056 U	0.058 U	0.0011 U	**0.0016**	0.0011 U
Methyl acetate	NC	NC	0.0049 U	0.0051 U	0.0044 U	0.0040 U	0.0026 U	0.0046 U	1 U	0.0046 U	0.0050 U	0.89 U	**0.039 J**	**0.036 J**	0.0055 U	0.0053 U	0.0054 U
Methyl tert-butyl ether	0.93	500	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Methylcyclohexane	NC	NC	0.00099 U	0.0010 U	0.00087 U	**1.3**	0.00053 U	0.00093 U	**0.66**	**0.00021 J**	0.0010 U	0.18 U	0.056 U	0.058 U	**0.00026 J**	**0.016**	0.0011 U
Methylene chloride	0.05	500	**0.0011**	**0.0019**	**0.0025**	**0.0039**	**0.00069**	**0.0016 B**	0.2 U	**0.0042 B**	**0.0022**	0.18 U	0.056 U	0.058 U	**0.0021**	**0.0037**	**0.0044**
Styrene	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Tetrachloroethene	1.3	150	0.00099 U	0.0010 U	0.00087 U	**0.00047 J**	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	**0.11**	0.0011 U
Toluene	0.7	500	0.00099 U	0.0010 U	0.00087 U	**0.066 J**	0.00053 U	0.00093 U	**95**	**0.0020**	0.0010 U	**52**	**0.05 J**	0.058 U	**0.0033**	**0.28**	0.0011 U
trans-1,2-Dichloroethene	0.19	500	0.00099 U	0.0010 U	0.00087 U	**0.0014**	0.00053 U	0.00093 U	0.2 U	**0.00097**	0.0010 U	0.18 U	**0.36**	**0.19**	0.0011 U	0.0011 U	0.0011 U
trans-1,3-Dichloropropene	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Trichloroethene	0.47	200	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	**0.37**	**0.0062**	0.0010 U	**0.13 J**	**0.079**	**0.081**	**0.00027 J**	**0.036**	0.0011 U
Trichlorofluoromethane	NC	NC	0.00099 U	0.0010 U	0.00087 U	0.00081 U	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	0.056 U	0.058 U	0.0011 U	0.0011 U	0.0011 U
Vinyl chloride	0.02	13	0.00099 U	**0.00068 J**	**0.0033**	**0.00066 J**	0.00053 U	0.00093 U	0.2 U	0.00093 U	0.0010 U	0.18 U	**5**	**5.6**	**0.0036**	**0.0043**	**0.0020**
Xylenes, total	0.26	500	0.0020 U	0.0021 U	0.0017 U	**0.16**	0.0011 U	0.0019 U	**53**	**0.00047 J**	0.0020 U	**31**	**0.021 J**	0.12 U	**0.00052 J**	**0.27**	0.0022 U

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 1
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds - April 2019

Sample Location:			HOW-SB-222									
Sample Name:			HOW-SB-222 (15.5)		HOW-SB-222 (19)		HOW-SB-222 (21)		HOW-SB-222 (24)		HOW-SB-222 (27)	
Laboratory Sample ID:			460-178747-1		460-178747-2		460-178747-3		460-178747-4		460-178747-5	
Sample Depth (ft. bgs.):			15.5		19		21		24		27	
Sample Date:			04/03/2019		04/03/2019		04/03/2019		04/03/2019		04/03/2019	
Matrix:			Soil		Soil		Soil		Soil		Soil	
Unit:			mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Analyte	Unrestricted Use SCOs* (mg/kg)	Commercial Use SCOs* (mg/kg)										
1,1,1-Trichloroethane	0.68	500	**0.83**		**0.0013**		**3.3**		0.0010	U	**0.049**	
1,1,2,2-Tetrachloroethane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
1,1,2-Trichloroethane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
1,1-Dichloroethane	0.27	240	**0.86**		**0.00075**	**J**	**0.74**		0.0010	U	**0.035**	
1,1-Dichloroethene	0.33	500	0.099	U	**0.0014**		**0.024**	**J**	0.0010	U	**0.0022**	
1,2,4-Trichlorobenzene	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
1,2-Dibromo-3-chloropropane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
1,2-Dichlorobenzene	1.1	500	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
1,2-Dichloroethane	0.02	30	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
1,2-Dichloropropane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
1,3-Dichlorobenzene	2.4	280	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
1,4-Dichlorobenzene	1.8	130	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
2-Butanone (MEK)	0.12	500	0.49	U	0.0052	U	0.35	U	0.0052	U	0.0047	U
2-Hexanone	NC	NC	0.49	U	0.0052	U	0.35	U	0.0052	U	0.0047	U
4-Methyl-2-pentanone	NC	NC	0.49	U	0.0052	U	0.35	U	0.0052	U	0.0047	U
Acetone	0.05	500	0.49	U	**0.016**	**B**	0.35	U	**0.018**		**0.032**	
Benzene	0.06	44	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Bromodichloromethane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Bromoform	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Bromomethane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Carbon disulfide	NC	NC	0.099	U	**0.0012**		0.07	U	0.0010	U	**0.0016**	
Carbon tetrachloride	0.76	22	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Chlorobenzene	1.1	500	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Chloroethane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	**0.012**	
Chloroform	0.37	350	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Chloromethane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
cis-1,2-Dichloroethene	0.25	500	**0.052**	**J**	**0.41**		**0.1**		**0.00017**	**J**	**0.02**	
cis-1,3-Dichloropropene	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Cyclohexane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Dibromochloromethane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Dichlorodifluoromethane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Ethylbenzene	1	390	**9.2**		0.0010	U	**3.7**		0.0010	U	**0.0089**	
1,2-Dibromoethane (Ethylene dibromide)	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Isopropylbenzene	NC	NC	**0.19**		0.0010	U	**0.055**	**J**	0.0010	U	0.00095	U
Methyl acetate	NC	NC	0.49	U	0.0052	U	**0.15**	**J**	0.0052	U	0.0047	U
Methyl tert-butyl ether	0.93	500	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Methylcyclohexane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Methylene chloride	0.05	500	0.099	U	**0.0060**		0.07	U	**0.0028**	**B**	**0.0032**	**B**
Styrene	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Tetrachloroethene	1.3	150	**0.056**	**J**	0.0010	U	**0.039**	**J**	0.0010	U	0.00095	U
Toluene	0.7	500	**0.11**		0.0010	U	**0.065**	**J**	0.0010	U	0.00095	U
trans-1,2-Dichloroethene	0.19	500	0.099	U	**0.0017**		0.07	U	0.0010	U	**0.00038**	**J**
trans-1,3-Dichloropropene	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Trichloroethene	0.47	200	**0.095**	**J**	**0.0017**		**0.27**		0.0010	U	**0.0021**	
Trichlorofluoromethane	NC	NC	0.099	U	0.0010	U	0.07	U	0.0010	U	0.00095	U
Vinyl chloride	0.02	13	0.099	U	**0.0017**		**0.016**	**J**	0.0010	U	**0.012**	
Xylenes, total	0.26	500	**9.8**		0.0021	U	**2.5**		0.0021	U	**0.0058**	

Notes:
ID - Identification.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NC - No criterion.
ft bgs - Feet below ground surface.
B - Compound was found in the blank and sample.
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Unrestricted Use SCO.
Shading indicates result above Commercial Use SCO.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).

Table 2
New York State Department of Environmental Conservation
Haz-O-Waste Site, Lenox, New York
Summary of Results of Analysis of Groundwater for Volatile Organic Compounds - April 2019

	Sample Location:	HOW-MW-301		HOW-MW-302		HOW-MW-303		HOW-MW-304		HOW-MW-305		HOW-MW-306		HOW-PT-MW101S		HOW-PT-MW102S		HOW-PT-MW103S		HOW-PT-MW104S		HOW-PT-MW105S		HOW-WP-10S	
	Laboratory Sample ID:	460-180147-6		460-180147-1		460-180147-2		460-180147-5		460-180147-4		460-180147-3		460-180147-11		460-180147-8		460-180147-12		460-180147-10		460-180147-9		460-180147-7	
	Sample Date:	4/18/2019		4/17/2019		4/17/2019		4/18/2019		4/17/2019		4/17/2019		4/18/2019		4/18/2019		4/18/2019		4/18/2019		4/18/2019		4/18/2019	
	Matrix:	GW		GW		GW		GW		GW		GW		GW		GW		GW		GW		GW		GW	
	Unit:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Analyte	Class GA Value* (µg/L)																								
1,1,1-Trichloroethane	5	1.0	U	**1.9**		**5.9**		1.0	U	1.0	U	1.0	U	**4,800**		1.0	U	200	U	2.0	U	8.0	U	1.0	U
1,1,2,2-Tetrachloroethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
1,1,2-Trichloroethane	1	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
1,1,2-Trichloro- 1,2,2-trifluoroethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	**0.85**	**J**	200	U	2.0	U	8.0	U	1.0	U
1,1-Dichloroethane	5	1.0	U	**1.9**		**2.6**		**1.5**		1.0	U	1.0	U	**2,400**	**J**	**0.76**	**J**	**110**	**J**	**6.5**		**6.6**	**J**	1.0	U
1,1-Dichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
1,2,4-Trichlorobenzene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
1,2-Dibromo-3-chloropropane	0.04	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
1,2-Dichlorobenzene	3	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
1,2-Dichloroethane	0.6	1.0	U	1.0	U	1.0	U	**0.73**	**J**	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
1,2-Dichloropropane	1	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
1,3-Dichlorobenzene	3	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
1,4-Dichlorobenzene	3	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
2-Butanone (MEK)	50	10	U	10	U	10	U	10	U	10	U	10	U	40,000	U	10	U	2,000	U	20	U	80	U	10	U
2-Hexanone	50	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	20,000	U	5.0	U	1,000	U	10	U	40	U	5.0	U
4-Methyl-2-pentanone	NC	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	20,000	U	5.0	U	1,000	U	10	U	40	U	5.0	U
Acetone	50	**3.6**	**J**	**5.1**	**J**	**5.2**	**J**	**5.7**	**J**	**6.4**	**J**	**3.9**	**J**	40,000	U	**7.4**	**J**	2,000	U	**8.3**	**J**	80	U	10	U
Benzene	1	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Bromodichloromethane	50	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Bromoform	50	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Bromomethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Carbon disulfide	60	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Carbon tetrachloride	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Chlorobenzene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Chloroethane	5	1.0	U	**0.73**	**J**	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	**18**		8.0	U	1.0	U
Chloroform	7	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Chloromethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
cis-1,2-Dichloroethene	5	1.0	U	**28**		1.0	U	1.0	U	1.0	U	1.0	U	**81,000**		**1.9**		**400**		**15**		8.0	U	1.0	U
cis-1,3-Dichloropropene	0.4[a]	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Cyclohexane	NC	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Dibromochloromethane	50	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Dichlorodifluoromethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Ethylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**9,400**		1.0	U	**1,800**		**110**		**180**		1.0	U
1,2-Dibromoethane (Ethylene dibromide)	0.0006	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Isopropylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	**10**		**15**		1.0	U
Methyl acetate	NC	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	10,000	U	2.5	U	500	U	5.0	U	20	U	2.5	U
Methyl tert-butyl ether	10	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Methylcyclohexane	NC	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Methylene chloride	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	**1.8**	**J**	8.0	U	1.0	U
Styrene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Tetrachloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Toluene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**95,000**		1.0	U	**7,500**		**35**		**39**		1.0	U
trans-1,2-Dichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
trans-1,3-Dichloropropene	0.4[a]	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Trichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	**0.47**	**J**	200	U	**1.2**	**J**	8.0	U	1.0	U
Trichlorofluoromethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4,000	U	1.0	U	200	U	2.0	U	8.0	U	1.0	U
Vinyl chloride	2	1.0	U	**4.7**		**2.6**		1.0	U	1.0	U	1.0	U	**7,500**		**4.9**		200	U	**5.4**		8.0	U	1.0	U
Xylenes, total	5[b]	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	**37,000**		2.0	U	**8,200**		**49**		**370**		2.0	U

Notes:
ID - Identification.
GW - Groundwater.
µg/L - micrograms per liter.
J - Estimated value.
NC - No criterion.
U - Compound was not detected at specified quantitation limit.
Values in **bold** indicate the compound was detected.
Shading indicates result above Class GA Value.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.
(a) 0.4 µg/L applies to the sum of *cis* - and *trans* -1,3-dichloropropene.
(b) There is no Standard or Guidance Value for total xylenes. The standard for *o* -, *m* -, and *p* -xylene is 5 µg/L.

ATTACHMENT D

GROUNDWATER SAMPLING FORMS

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste
PROJECT NUMBER	198432.0000.0000
SAMPLE ID	HOW-MW-301
SAMPLE TIME	9:35

LOCATION ID	
DATE	4/18/2019
START TIME	8:50
END TIME	9:40
SITE NAME/NUMBER	
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	4.21 FT	**FINAL DTW (BMP)**	4.91 FT	**PROT. CASING STICKUP (AGS)**	2 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	15.3 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	11.09 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.1148 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.81876 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.925 GAL	**DRAWDOWN/ TOTAL PURGED**	0.039247863	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
850	**BEGIN PURGING**									
900	4.88	250	11.09	1.09	7.97	0	97.6	-89	13.3	
910	4.91	200	11.19	1.09	7.94	0	87.3	-104	13.3	
920	4.91	200	11.61	1.07	7.92	0	66.4	-110	13.3	
925	4.91	200	11.88	1.06	7.94	0	27.9	-112	13.3	
930	4.91	200	12.04	1.06	7.9	0	27.2	-110	13.3	
935	4.91	200	12.06	1.05	7.9	0	26.8	-111	13.3	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**12**	**1.05**	**7.9**	**0**	**26.8**	**-110**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[X] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER Heron
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID MiniRAE 3000
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER Horiba U-53 w/ turbidity
	[ ] NITRIC ACID	[ ] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER
[ ] WATTERA	[ ] HEXANE	[X] LDPE TUBING	[ ] OTHER	[X] PUMP Geotech Peristaltic
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[ ] OTHER	[X] OTHER ALCONOX	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.925

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Steve Johansson

Checked By:

Date: 4/18/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste	**LOCATION ID**	**DATE** 4/17/2019
PROJECT NUMBER	198432.0000.0000	**START TIME** 13:10	**END TIME** 14:15
SAMPLE ID HOW-MW-302	**SAMPLE TIME** 14:15	**SITE NAME/NUMBER**	**PAGE** 1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	2.98 FT	**FINAL DTW (BMP)**	3.23 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	14.16 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	11.18 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.041 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.83352 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.38 GAL	**DRAWDOWN/ TOTAL PURGED**	0.012130178	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1310	**BEGIN PURGING**									
1320	3.2	200	12.62	1.02	7.3	0	235	-123	12.16	
1330	3.22	200	12.23	1.07	7.26	0	139	-130	12.16	
1335	3.22	200	12.13	1.08	7.24	0	90	-131	12.16	
1340	3.23	200	12.05	1.09	7.21	0	63	-131	12.16	
1345	3.23	200	12.02	1.1	7.19	0	50.6	-131	12.16	
1350	3.23	200	11.96	1.1	7.2	0	43	-132	12.16	
1355	3.23	200	11.94	1.11	7.19	0	48	-132	12.16	
1400	3.23	200	12	1.12	7.19	0	34.1	-131	12.16	
1405	3.23	200	12.07	1.12	7.18	0	30.3	-131	12.16	
1410	3.23	200	11.97	1.12	7.18	0	30.7	-131	12.16	
1415	3.23	200	11.98	1.13	7.18	0	27.8	-131	12.16	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										
			12	**1.13**	**7.2**	**0**	**27.8**	**-130**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER Heron
- [X] PID MiniRAE 3000
- [X] WQ METER Horiba U-53 w/ turbidity
- [ ] TURB. METER _____
- [X] PUMP Geotech Peristaltic
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED		X
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 3.38

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Collect MS/MSD samples

Sampler Signature: Nicholas Gier Print Name: Nick Gier

Checked By: Steve Johansson Date: 4/17/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste
PROJECT NUMBER	198432.0000.0000
SAMPLE ID	HOW-MW-303
SAMPLE TIME	15:10

LOCATION ID	
DATE	4/17/2019
START TIME	14:35
END TIME	15:10
SITE NAME/NUMBER	
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	2.05 FT	**FINAL DTW (BMP)**	2.23 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	13.54 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	11.49 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.02952 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.88436 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.82 GAL	**DRAWDOWN/ TOTAL PURGED**	0.01621978	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1435	**BEGIN PURGING**									
1445	2.23	200	13.31	1.14	7.24	0	11	-88	11.54	
1455	2.23	200	13.75	1.13	7.25	0	11.1	-98	11.54	
1500	2.23	200	12.98	1.17	7.25	0	8.5	-102	11.54	
1505	2.23	200	13.55	1.14	7.26	0	7	-104	11.54	
1510	2.23	200	13.03	1.16	7.25	0	5.3	-105	11.54	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**13**	**1.16**	**7.3**	**0**	**5.3**	**-110**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron
- [X] PID MiniRAE 3000
- [X] WQ METER Horiba U-53 w/ turbidity
- [ ] TURB. METER
- [X] PUMP Geotech Peristaltic
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 1.82

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Nicholas Gier

Print Name: Nick Gier

Checked By: Steve Johansson

Date: 4/17/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste	**LOCATION ID**	**DATE** 4/18/2019
PROJECT NUMBER	198432.0000.0000	**START TIME** 8:35	**END TIME** 9:15
SAMPLE ID HOW-MW-304	**SAMPLE TIME** 9:15	**SITE NAME/NUMBER**	**PAGE** 1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER _____

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER _____

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	2.87 FT	**FINAL DTW (BMP)**	3.46 FT	**PROT. CASING STICKUP (AGS)**	3 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	16.96 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	14.09 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.09676 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.31076 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.08 GAL	**DRAWDOWN/ TOTAL PURGED**	0.046519231	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
835	**BEGIN PURGING**									
845	3.41	200	8.61	0.891	7.2	0	24.7	-54	14.96	
855	3.46	200	8.29	0.912	7.16	0	11.3	-66	14.96	
900	3.46	200	8.18	0.914	7.16	0	13.1	-68	14.96	
905	3.46	200	8.52	0.915	7.15	0	9.9	-68	14.96	
910	3.46	200	8.42	0.916	7.15	0	8.2	-69	14.96	
915	3.46	200	8.35	0.915	7.14	0	6.6	-70	14.96	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										**TEMP.**: nearest degree (ex. 10.1 = 10) **COND.**: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696) **pH**: nearest tenth (ex. 5.53 = 5.5) **DO**: nearest tenth (ex. 3.51 = 3.5) **TURB**: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101) **ORP**: 2 SF (44.1 = 44, 191 = 190)
			8	**0.915**	**7.1**	**0**	**6.6**	**-70**		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[X] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER Heron
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID MiniRAE 3000
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER Horiba U-53 w/ turbidity
	[ ] NITRIC ACID	[ ] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER
[ ] WATTERA	[ ] HEXANE	[X] LDPE TUBING	[ ] OTHER	[X] PUMP Geotech Peristaltic
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[ ] OTHER	[X] OTHER ALCONOX	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.08

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Nicholas Gier Print Name: Nick Gier

Checked By: Steve Johansson Date: 4/18/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste
PROJECT NUMBER	198432.0000.0000
SAMPLE ID	HOW-MW-305
SAMPLE TIME	16:15

LOCATION ID	
DATE	4/17/2019
START TIME	15:30
END TIME	16:15
SITE NAME/NUMBER	
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	1.7 FT	**FINAL DTW (BMP)**	1.83 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	14.78 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	13.08 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.02132 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.14512 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.34 GAL	**DRAWDOWN/ TOTAL PURGED**	0.009111111	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1530	**BEGIN PURGING**									
1540	1.83	200	10.13	1.15	7.1	0	190	-66	12.78	
1550	1.83	200	9.88	1.15	7.09	0	41.5	-67	12.78	
1555	1.83	200	9.95	1.15	7.06	0	26.8	-66	12.78	
1600	1.83	200	10.14	1.16	7.04	0	19.1	-64	12.78	
1605	1.83	200	10.11	1.16	7.02	0	13.2	-64	12.78	
1610	1.83	200	9.84	1.17	7	0	12.9	-62	12.78	
1615	1.83	200	9.83	1.17	6.98	0	11.9	-61	12.78	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**10**	**1.17**	**7**	**0**	**11.9**	**-61**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER Heron
- [X] PID MiniRAE 3000
- [X] WQ METER Horiba U-53 w/ turbidity
- [ ] TURB. METER _____
- [X] PUMP Geotech Peristaltic
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 2.34

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Nicholas Gier Print Name: Nick Gier

Checked By: Steve Johansson Date: 4/17/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste
PROJECT NUMBER	198432.0000.0000
SAMPLE ID	HOW-MW-306
SAMPLE TIME	16:15

LOCATION ID	
DATE	4/17/2019
START TIME	15:40
END TIME	16:20
SITE NAME/NUMBER	
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	2.11 FT	**FINAL DTW (BMP)**	2.29 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	14.76 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	12.65 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.02952 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.0746 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.82 GAL	**DRAWDOWN/ TOTAL PURGED**	0.01621978	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1540	**BEGIN PURGING**									
1550	2.32	200	10.47	1.17	7.45	0	72.4	-132	12.76	
1600	2.28	200	10.43	1.21	7.43	0	72.8	-122	12.76	
1605	2.28	200	10.42	1.22	7.43	0	71.6	-119	12.76	
1610	2.29	200	9.87	1.22	7.42	0	69.4	-116	12.76	
1615	2.29	200	9.85	1.22	7.42	0	69.2	-115	12.76	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**10**	**1.22**	**7.4**	**0**	**69.2**	**-120**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron
- [X] PID MiniRAE 3000
- [X] WQ METER Horiba U-53 w/ turbidity
- [ ] TURB. METER
- [X] PUMP Geotech Peristaltic
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 1.82

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Steve Johansson

Checked By:

Date: 4/17/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste
PROJECT NUMBER	198432.0000.0000
SAMPLE ID	HOW-WP-10S
SAMPLE TIME	10:40

LOCATION ID	
DATE	4/18/2019
START TIME	10:00
END TIME	10:40
SITE NAME/NUMBER	
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	3.88 FT	**FINAL DTW (BMP)**	4.17 FT	**PROT. CASING STICKUP (AGS)**	3 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	19.8 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	15.92 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.04756 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.61088 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.08 GAL	**DRAWDOWN/ TOTAL PURGED**	0.022865385	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1000	**BEGIN PURGING**									
1010	4.17	200	8.8	1.27	7.51	3.74	43.2	16	17.8	
1020	4.17	200	8.81	1.27	7.42	0.01	21.5	4	17.8	
1025	4.17	200	8.8	1.26	7.39	0	12.7	2	17.8	
1030	4.17	200	8.65	1.24	7.37	0	7.7	3	17.8	
1035	4.17	200	8.69	1.21	7.37	0	5.7	3	17.8	
1040	4.17	200	8.72	1.18	7.37	0	5	4	17.8	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**9**	**1.18**	**7.4**	**0**	**5**	**4**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[X] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER Heron
[ ] SUBMERSIBLE	[X] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID MiniRAE 3000
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER Horiba U-53 w/ turbidity
	[ ] NITRIC ACID	[ ] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER
[ ] WATTERA	[ ] HEXANE	[X] LDPE TUBING	[ ] OTHER	[X] PUMP Geotech Peristaltic
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[ ] OTHER	[X] OTHER ALCONOX	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 2.08

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Nick Gier

Checked By: Steve Johansson Date: 4/18/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste
PROJECT NUMBER	198432.0000.0000
SAMPLE ID	HOW-PT-MW101S
SAMPLE TIME	12:35

LOCATION ID	
DATE	4/18/2019
START TIME	11:50
END TIME	12:40
SITE NAME/NUMBER	
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	3.34 FT	**FINAL DTW (BMP)**	4.88 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	15.27 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	11.93 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.25656 GAL	**PID WELL MOUTH**	300 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.95652 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.925 GAL	**DRAWDOWN/ TOTAL PURGED**	0.086345299	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1150	**BEGIN PURGING**									
1200	4.59	250	10.68	1.84	7.17	0	14.1	-93	13.27	
1210	4.64	200	10.9	1.83	7.16	0	9.9	-101	13.27	
1220	4.75	200	10.88	1.82	7.16	0	10.2	-105	13.27	
1225	4.8	200	10.94	1.82	7.15	0	9.8	-107	13.27	
1230	4.85	200	10.99	1.82	7.15	0	9.4	-108	13.27	
1235	4.88	200	10.96	1.82	7.14	0	9.7	-108	13.27	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**11**	**1.82**	**7.1**	**0**	**9.7**	**-110**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron
- [X] PID MiniRAE 3000
- [X] WQ METER Horiba U-53 w/ turbidity
- [ ] TURB. METER
- [X] PUMP Geotech Peristaltic
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [X]

NO-PURGE METHOD UTILIZED — YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.925

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Steve Johansson

Checked By:

Date: 4/18/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste
PROJECT NUMBER	198432.0000.0000
SAMPLE ID	HOW-PT-MW102S
SAMPLE TIME	10:35

LOCATION ID	
DATE	4/18/2019
START TIME	10:00
END TIME	10:40
SITE NAME/NUMBER	
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	3.51 FT	**FINAL DTW (BMP)**	3.64 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	14.04 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	10.53 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.02132 GAL	**PID WELL MOUTH**	0.7 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.72692 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.275 GAL	**DRAWDOWN/ TOTAL PURGED**	0.009371429	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1000	**BEGIN PURGING**									
1010	3.63	250	10.71	0.99	8.09	0	34.5	-161	12.04	
1020	3.63	250	10.79	1.01	8.01	0	13	-159	12.04	
1025	3.64	250	10.55	1.01	8.08	0	9	-162	12.04	
1030	3.64	250	10.48	1	8.04	0	9.6	-162	12.04	
1035	3.64	250	10.38	1	8.05	0	7.9	-163	12.04	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

10	**1**	**8.1**	**0**	**7.9**	**-160**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron
- [X] PID MiniRAE 3000
- [X] WQ METER Horiba U-53 w/ turbidity
- [ ] TURB. METER
- [X] PUMP Geotech Peristaltic
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 2.275

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Steve Johansson

Checked By: Date: 4/18/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste
PROJECT NUMBER	198432.0000.0000
SAMPLE ID	HOW-PT-MW103S
SAMPLE TIME	13:20

LOCATION ID	
DATE	4/18/2019
START TIME	12:20
END TIME	13:20
SITE NAME/NUMBER	
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	3.12 FT	**FINAL DTW (BMP)**	3.76 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	14.66 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	11.54 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.10496 GAL	**PID WELL MOUTH**	43.5 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.89256 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.12 GAL	**DRAWDOWN/ TOTAL PURGED**	0.033641026	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1220	**BEGIN PURGING**									
1230	3.71	200	11.77	1.86	6.73	0	28.9	-100	12.66	
1240	3.76	200	11.86	1.81	6.8	0	23.4	-112	12.66	
1245	3.76	200	11.61	1.82	6.84	0	23.7	-116	12.66	
1250	3.73	200	11.7	1.81	6.84	0	22.4	-117	12.66	
1255	3.73	200	11.65	1.8	6.84	0	19.4	-117	12.66	
1300	3.73	200	11.73	1.79	6.81	0	19.7	-118	12.66	
1305	3.75	200	11.75	1.78	6.83	0	10.9	-119	12.66	
1310	3.77	200	11.86	1.77	6.85	0	8.8	-120	12.66	
1315	3.77	200	11.9	1.75	6.86	0	9.1	-121	12.66	
1320	3.76	200	12.04	1.75	6.85	0	7.2	-121	12.66	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**12**	**1.75**	**6.9**	**0**	**7.2**	**-120**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron
- [X] PID MiniRAE 3000
- [X] WQ METER Horiba U-53 w/ turbidity
- [ ] TURB. METER
- [X] PUMP Geotech Peristaltic
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [X]

NO-PURGE METHOD UTILIZED — YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.12

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Nicholas Gier Print Name: Nick Gier

Checked By: Steve Johansson Date: 4/18/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste
PROJECT NUMBER	198432.0000.0000
SAMPLE ID	HOW-PT-MW104S
SAMPLE TIME	12:00

LOCATION ID	
DATE	4/18/2019
START TIME	11:00
END TIME	12:00
SITE NAME/NUMBER	
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	3.07 FT	**FINAL DTW (BMP)**	4.33 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	12.44 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	9.37 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.20664 GAL	**PID WELL MOUTH**	1.3 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.53668 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.12 GAL	**DRAWDOWN/ TOTAL PURGED**	0.066230769	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1100	**BEGIN PURGING**									
1110	4.17	200	11.53	0.536	6.69	0	52.5	-52	10.44	
1120	4.25	200	12	0.542	6.67	0	36.3	-60	10.44	
1125	4.27	200	11.84	0.554	6.67	0	33.1	-63	10.44	
1130	4.3	200	11.82	0.563	6.67	0	29.8	-67	10.44	
1135	4.35	200	11.04	0.589	6.71	0	31.2	-72	10.44	
1140	4.35	200	11.26	0.596	6.69	0	26.2	-74	10.44	
1145	4.35	200	11.33	0.6	6.69	0	25.2	-76	10.44	
1150	4.33	200	11.26	0.61	6.67	0	22.3	-78	10.44	
1155	4.33	200	11.19	0.619	6.67	0	21.3	-80	10.44	
1200	4.33	200	10.79	0.632	6.66	0	22.2	-82	10.44	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**11**	**0.632**	**6.7**	**0**	**22.2**	**-82**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron
- [X] PID MiniRAE 3000
- [X] WQ METER Horiba U-53 w/ turbidity
- [ ] TURB. METER
- [X] PUMP Geotech Peristaltic
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 3.12

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Nicholas Gier Print Name: Nick Gier

Checked By: Steve Johansson Date: 4/18/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Haz-O-Waste
PROJECT NUMBER	198432.0000.0000
SAMPLE ID	HOW-PT-MW105S
SAMPLE TIME	11:35

LOCATION ID	
DATE	4/18/2019
START TIME	10:55
END TIME	11:40
SITE NAME/NUMBER	
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED	X		
COLLAR	X		

INITIAL DTW (BMP)	3.04 FT	**FINAL DTW (BMP)**	3.93 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	14.86 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	11.82 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.14596 GAL	**PID WELL MOUTH**	3.8 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.93848 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.6 GAL	**DRAWDOWN/ TOTAL PURGED**	0.056138462	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1055	**BEGIN PURGING**									
1105	4.04	250	11.96	1.02	7.99	0	29.3	-148	12.86	
1115	3.91	200	11.87	1.08	7.92	0	23.9	-151	12.86	
1125	3.92	200	11.77	1.1	7.91	0	22.5	-151	12.86	
1130	3.92	200	11.72	1.1	7.9	0	21.3	-152	12.86	
1135	3.93	200	11.75	1.1	7.89	0	22.5	-152	12.86	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**12**	**1.1**	**7.9**	**0**	**22.5**	**-150**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron
- [X] PID MiniRAE 3000
- [X] WQ METER Horiba U-53 w/ turbidity
- [ ] TURB. METER
- [X] PUMP Geotech Peristaltic
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 2.6

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Steve Johansson

Checked By:

Date: 4/18/2019

ATTACHMENT E

IDW WASTE MANIFESTS

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

Please print or type

BILL OF LADING

Generator EPA ID #: NYD057770109

1. Document No.: SYR18727

2. Page 1 of 1

3. Generator's Name and Mailing Address
NYS DEC
615 ERIE BOULEVARD WEST
SYRACUSE, NY 13204
4. Generator's Phone (315-426-7400

Site Address
NYS DEC
4123 CANAL ROAD
CANASTOTA, NY 13032

5. Transporter 1 Company Name: ENVIRONMENTAL PROD & SVCS OF VT, INC.
6. EPA ID #: NYR000115733
A. State Transporter's ID: 28031(VT)
B. Transporter 1 Phone: 315-451-6666
7. Transporter 2 Company Name:
8. EPA ID #:
C. State Transporter's ID:
D. Transporter 2 Phone:

9. Designated Facility Name and Site Address
ENVIRONMENTAL PROD & SVCS OF VT, INC.
532 STATE FAIR BOULEVARD
SYRACUSE, NY 13204
HM
10. EPA ID #: NYR000115733
E. State Facility's ID:
F. Facility's Phone: 315-451-6666

GENERATOR

	11. Shipping Name	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a.	NON-RCRA, NON-DOT SOLID, N.O.S. (RCRA EMPTY DRUMS)	03	DM	135	P
b.					
c.					
d.					

G. Additional Descriptions for Materials Listed Above
Document # D5765 Job #: N18961 PO#

1) 5252 - TS/MET 3 X 55 GAL

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulation of the Department of Transportation. The materials described on this document are not subject to federal uniform hazardous waste manifest requirements.

Printed/Typed Name: Chad Hill - HHE - NYSDEC
Signature: Chad Hill - HHE - NYSDEC
Date: Month 06 Day 27 Year 19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Anthony Woolson
Signature: Anthony Woolson
Date: Month 06 Day 27 Year 19

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.
Printed/Typed Name:
Signature:
Date: Month Day Year

BILL OF LADING

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD057770109	1	800-843-8265	013317341 FLE

GENERATOR

5. Generator's Name and Mailing Address
NYS DEC
615 ERIE BOULEVARD WEST
SYRACUSE, NY 13204
Generator's Phone: 315-426-7400

Generator's Site Address (if different than mailing address)
NYS DEC
4123 CANAL ROAD
CANASTOTA, NY 13032

6. Transporter 1 Company Name: ENVIRONMENTAL PROD & SVCS OF VT, INC.
U.S. EPA ID Number: NYR000115733

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CYCLE CHEM, INC.
550 INDUSTRIAL DR.
LEWISBERRY, PA 17339
Facility's Phone: 717-938-4700
U.S. EPA ID Number: PAD067098822

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, Hazardous waste, solid, n.o.s. (Acetone, Toluene), 9, III	02	DM	1,000	P	B	F003	F005
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: Document # D5763 Job#: N18961 PO#: 42545N

1) 77079-ROS70 ERG#171 2 x 55 GAL

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CHAD HALL
Signature
Month: 06 Day: 27 Year: 19

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Anthony Woolson
Signature: Anthony Woolson
Month: 06 Day: 27 Year: 19

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

GENERATOR'S INITIAL COPY

Cycle Chem

Recycling, Treatment & Disposal of Hazardous Waste

*217 South First Street, Elizabeth, NJ 07206 * 908-355-5800, Fax (908) 355-0562*

Generator Name: NYS DEC

Generator EPA ID #: NYD057770109

Manifest #: 013317341FLE

LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

This land disposal restriction (LDR) notification must be submitted with the initial shipment of all new waste streams. Subsequent notification is not required unless the waste stream changes. All sections MUST be completed. **INSTRUCTION**

WASTE STREAM INFORMATION – For each manifest line complete the following sections. For LDR's previously submitted or LAB PACK's with packing slips indicate such in column A or B and stop.

	A	B	C	D Treatability Group		E	F Treatment Method for Hazardous Waste per 40CFR268			
Line #	LDR on file Non RCRA	Lab Pack & Packing Slip	EPA Waste Codes and subcategory reference letter from table (if applicable)	WW Wastewater < 1% TOC < 1% TSS / NWW/ Not WW		F001 to F005 list numbers of Spent Solvent Constituents	Requires treatment mark which standard applies / For Atl SOIL Treatment Complete certification below			Meets LDR treatment standards 40CFR268 Listed Waste Certify below
1	☐	☐	F003, F005	☒ NWW	☐ WW	1, 22	☐ Other	☐ SOIL	☐ DEBRIS	☐
2	☐	☐		☐ NWW	☐ WW		☐ Other	☐ SOIL	☐ DEBRIS	☐
3	☐	☐		☐ NWW	☐ WW		☐ Other	☐ SOIL	☐ DEBRIS	☐
4	☐	☐		☐ NWW	☐ WW		☐ Other	☐ SOIL	☐ DEBRIS	☐

ADDITIONAL INFORMATION FOR CHARACTERISTIC CODES D001 to D043. (check one)

☐ Some or all of these waste streams contain underlying hazardous constituents (UHCs) in excess of the treatment standard of 40CFR268.40. These are indicated on the UHC/UTS table section of this LDR form or included on the waste profile.

☒ There are no underlying hazardous constituents (UHCs) present in any of these waste streams.

SUBCATEGORY LETTER TABLE

D001	A	Ignitable except high TOC ignitable liquids
	B	High TOC (> 10%) ignitable liquid
D003	A	Reactive sulfide
	B	Reactive cyanide
	C	Water reactive
	D	Other reactive
D006	A	Cadmium non-battery
	B	Cadmium containing batteries
D008	A	Lead non-battery
	B	Lead acid batteries
D009	A	High mercury organic (≥260 PPM Total Hg)
	B	High mercury inorganic (≥ 260 PPM Total Hg)
	C	Low mercury (< 260 PPM Total Hg)
	D	Mercury wastewater

SPENT SOLVENT WASTE CONSTITUENTS

For F001-F005 indicate number of constituent in above table

1) -acetone	15) methanol
2) benzene	16) methylene chloride
3) n-butyl alcohol	17) methyl ethyl ketone
4) iso-butyl alcohol	18) methyl isobutyl ketone
5) carbon disulfide	19) nitrobenzene
6) carbon tetrachloride	20) pyridine
7) chlorobenzene	21) tetrachloroethylene {Perc}
8) Cresols [o, m or p]	22) toluene
9) cresylic acid	23) 1,1,1,-trichloroethane
10) cyclohexanone	24) 1,1,2-trichloroethane
11) o-dichlorobenzene	25) trichloroethylene
12) ethyl acetate	26) trichloromonofluoromethane
13) ethyl benzene	27) 1,1,2-trichloro-1,2,2,-trifluoroethane
14) ethyl ether	28) xylenes

☐ This ***SOIL CERTIFICATION per alternate soil treatment {268.49} for indicated [circle] items.***

*This is a hazardous waste contaminated soil. This contaminated soil **does/does not** (circle one) contain listed hazardous wastes and **does/does not** (circle one) exhibit a characteristic of hazardous waste and **is subject to/complies with** (circle one) the soil treatment standards as provided by 268.49(c) or the universal treatment standards.*

☐ This ***Certification for material that meets treatment standards applies to the above listed items.***

This is an EPA hazardous waste that meets all applicable treatment standards set forth in 40 CFR 268 subpart D, and can be landfilled without further treatment. I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or thorough knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

CERTIFICATION- All section MUST be completed: I certify that all information on this and all associated documents is complete and accurate to the best of my knowledge.

Signature: on behalf of NYSDEC Chad Hill **Title:** Associate Geologist

Printed Name: Chad Hill **Date:** 6/27/19

Cycle Chem, Inc.

www.cyclechem.com

217 South 1st St.
Elizabeth, NJ 07206
Phone: (908) 355-5800
Fax: (908) 355-0562

550 Industrial Dr.
Lewisberry, PA 17339
Phone: (717) 938-4700
Fax: (717) 938-3301

General Chemical Corporation

133-138 Leland St., Framingham, MA 01 701
Phone: (508) 872-5000 Fax: (508) 875-5271

Material Profile Sheet
Gencode/Gen #: Stream:(if applicable)
77079 · R0570
Process/Product Code-

A. GENERATOR INFORMATION

EPA ID # NYD057770109
GENERATOR NAME NYS DEC
MAILING ADDRESS 615 ERIE BOULEVARD WEST, SYRACUSE, NY 13204
GENERATOR CONTACT SCOTT MCDONALD
GENERATOR PHONE # 315-426-7400
GENERATOR FAX N/A
SITE ADDRESS 4123 CANAL ROAD, CANASTOTA, NY 13032

BILLING COMPANY EPSVT, INC.
BILLING ADDRESS 532 STATE FAIR BOULEVARD, SYRACUSE, NY 13204
BILLING CONTACT RON FASSETT
BILLING PHONE# 315-451-6666 FAX N/A

NAME OF WASTE: IMPACTED SOIL FROM A KNOWN RELEASE OF CONTAMINANTS LISTED IN COMPOSITION
PROCESS GENERATING WASTE: MONITORING WELL INSTALLATION

B. PHYSICAL CHARACTERISTICS OF WASTE (AT 70- F)

Color / Odor / Physical Description: DARK / NONE SOLID

Wastewater: ☐ Wastewater ☒ Non-wastewater
Specific Gravity: N/A

Physical State: ☒ Single Phase ☒ Solid ☐ Gas/Aerosol ☐ Bi-Layered ☐ Liquid ☐ Lab Pack ☐ Multi-Layered ☐ Semi-Solid ☐ Powder ☐ Sludge

Flash Point: ☐ Flashpoint <74 F ☐ Flashpoint 140-200 F ☐ No Flashpoint ☐ Flashpoint 74-139 F ☒ Flashpoint >200 F ☐ Exact Flashpoint ☐ Open cup ☐ Closed cup

Ignitable Solid? ☐ Yes ☐ No

pH: ☐ <2.0 ☐ 2.01-5.0 ☐ 5.01-9.0 ☐ 9.01-12.49 ☐ >12.5 ☒ Exact pH N/A

Liquid/Solid/Sludge	
% Liquid	0
% Suspended Solids	0
% Sludge	0
% Solid	100

Dumpable? ☒ Yes ☐ No
Pumpable? ☐ Yes ☒ No
Pourable? ☒ Yes ☐ No

C. CHEMICAL COMPOSITION

ATTACHMENTS: ☐ MSDS attached ☐ Supplemental Analysis ☐ Additional Information ☐ LDR Attachment

Chemical Composition	Percent	Minimum	Maximum
SOIL IMPACTED WITH ACETONE,			
ETHYL BENZENE, TOLUENE, XYLENE,			
AND 4-METHYL 1,2 PENTANONE	100		

D. REGULATORY INFORMATION

Is it USEPA Haz waste? ☒ Yes ☐ No
USEPA Haz Codes: F003, F005
EPA Sub Categories:
Is it STATE waste? ☐ Yes ☒ No
STATE Haz Codes:
DOT Hazardous Material? ☒ Yes ☐ No
Proper Shipping Name: HAZARDOUS WASTE SOLID, N.O.S.(ACETONE, TOLUENE)
Hazard Class: 9 UN/NA #: NA3077 P. G. III
RQ: 1000 LB ERG#: 171

E. SHIPPING INFORMATION

Shipment Method
☐ Bulk Liquid ☐ Dump Trailer ☒ Drum (Size): 55 GAL
☐ Bulk Solid - Dump ☐ Pallet(s)
☐ Bulk Solid - Roll Off ☐ Cubic Yard Box(s) ☐ Other (Size):

Anticipated Volume: Per
Quantity: 2 Price: / Unit:

F. SPECIAL HANDLING CONSIDERATIONS

☐ Radioactive ☐ PA RW SQG ☒ No Land Filling
☐ Etiologic/Medical Waste ☐ DRMS/DRMO Waste ☐ Incinerate Only
☐ Fuming ☐ CERCLA Waste ☐ Recycle Only
☐ Phenolics ☐ Asbestos ☐ Other: (fill in below

Indicate if waste contains any of the following:

	Non-Reg	or Less-than	or Actual
PCB'S	☒	☐ 50 PPM	
Cyanides	☒	☐ 250 PPM	
Phenolics	☒	☐ 50 PPM	
Sulfides	☒	☐ 500 PPM	
Vocs	☒	☐ 500 PPM	
Chlorides	☒	☐ 1000 PPM	

G. TRANSPORTER ARRANGEMENTS

☐ CCI Provides Transportation ☐ Other:
☒ Customer Delivers to CCI
☐ Customer Delivers to End Facility via CCI

H. OTHER HAZARDOUS CHARACTERISTICS

☐ RCRA REACTIVE ☐ ETIOLOGICAL ☐ EXPLOSIVE/SHOCK SENSITIVE
☐ WATER REACTIVE ☐ TSCA REG ☒ NONE OF THE ABOVE
☐ RADIOACTIVE ☐ OXIDIZING MAT'L
☐ SUBJECT TO SUBPART FF BENZENE REG ☐ PYROPHORIC

1. Is this waste characteristically hazardous for metals or organics (EPA Waste Codes D004 through D043)? ☐ Yes ☒ No
If YES, please list the constituents and concentrations in section C.

2. Does this waste contain underlying hazardous constituents as defined in 40 CFR 268 Part 2, Section I at concentrations exceeding the UTS treatment standards? ☒ Yes ☐ No
If YES, please list the constituents and concentrations in section C.

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and all other attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CCI/GCC discovers, after having taken the delivery of the waste, that any waste does not conform to the identification or descriptions contained in this NIPS then CCI/GCC shall provide notice to Generator and coordinate the return, if applicable, of the non conforming waste to the point of origin as set forth in the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CCI/GCC for all handling, packaging, cleanup and transportation costs or charges, damage to equipment and costs associated with lost time incurred by CCI/GCC during the receipt, handling, temporary storage and return of such non conforming waste to its point of origin or to such other location designated by the Generator. I hereby authorize CCI/GCC to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue any approval.

Authorized Signature on behalf of NYSDEC Chad Hill Title Associate Geologist Date 6/27/19

CCI/GCC APPROVAL		Tech Initials	Date	Management Initials	Date	RW / Form Code

ATTACHMENT F

CONCEPT LEVEL COST ESTIMATES FOR POTENTIAL REMEDIAL OPTIONS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAZ-O-WASTE SITE, LENOX, NEW YORK
CONCEPT LEVEL COST ESTIMATES FOR POTENTIAL REMEDIAL OPTIONS
JANUARY 2020

	ITEM DESCRIPTION	UNIT	UNIT COST	REMEDIAL OPTION NO. 1		REMEDIAL OPTION NO. 2	
				QUANTITY	EXTENDED COST	QUANTITY	EXTENDED COST
1)	ENGINEERING AND DESIGN (10% OF CONSTRUCTION)	---	---	---	$114,000	---	$119,000
2)	CONSTRUCTION PHASE ENGINEERING SERVICES (15% OF CONSTRUCTION)	---	---	---	$171,000	---	$178,000
3)	INSURANCE, SUBMITTALS, MOBILIZATION/DEMOBILIZATION, AND SITE PREPARATION	LUMP SUM	$40,000	1	$40,000	1	$40,000
4)	SOIL EXCAVATION AND HANDLING	CUBIC YARD	$25	3,100	$77,500	3,100	$77,500
5)	DEWATERING AND EFFLUENT TREATMENT WITH ONSITE DISCHARGE	DAY	$5,000	15	$75,000	15	$75,000
6)	WASTE CHARACTERIZATION SAMPLES	EACH	$1,000	7	$7,000	7	$7,000
7)	TRANSPORTATION AND DISPOSAL - NON-HAZARDOUS SOIL	TON	$100	4,200	$420,000	4,200	$420,000
8)	TRANSPORTATION AND DISPOSAL - HAZARDOUS SOIL	TON	$300	800	$240,000	800	$240,000
9)	ZERO-VALENT IRON (INCLUDES APPLICATION)	LUMP SUM	$50,000	0	$0	1	$50,000
10)	POST EXCAVATION SOIL SAMPLES	EACH	$75	25	$1,875	25	$1,875
11)	CLEAN FILL SAMPLES - VOCS	EACH	$75	13	$975	13	$975
12)	CLEAN FILL SAMPLES - SVOCS, INORGANICS, PCBS AND PESTICIDES	EACH	$350	7	$2,450	7	$2,450
13)	CLEAN FILL SAMPLES - EMERGING CONTAMINANTS	EACH	$225	7	$1,575	7	$1,575
14)	CLEAN FILL (IN-PLACE VOLUME)	CUBIC YARD	$50	3,100	$155,000	3,100	$155,000
15)	MONITORING WELL ABANDONMENT AND INSTALLATION	EACH	$3,500	6	$21,000	6	$21,000
16)	SITE RESTORATION (TOPSOIL, SEEDING, AND MULCH)	SQUARE FOOT	$2	13,200	$26,400	13,200	$26,400
17)	ASPHALT PAVING REPLACEMENT (#2 AGGREGATE LAYER, BASE COURSE, BINDER)	LUMP SUM	$60,000	1	$60,000	1	$60,000
18)	POST-EXCAVATION SURVEY	LUMP SUM	$10,000	1	$10,000	1	$10,000
19)	SITE MANAGEMENT ACTIVITIES	YEAR	$30,000	3	$90,000	3	$90,000
				TOTAL (ROUNDED):	**$1,510,000**	**TOTAL (ROUNDED):**	**$1,580,000**

NOTES:

(1) COSTS ARE NOT BASED ON ACTUAL QUOTES AND ARE INTENDED ONLY FOR COMPARATIVE ANALYSIS AND PLANNING PURPOSES.

(2) LEGAL AND ADMINISTRATIVE COSTS ARE NOT INCLUDED.

(3) ESTIMATE BASED ON 500 CUBIC YARDS (800 TONS) OF SOIL REQUIRING DISPOSAL AS HAZARDOUS WASTE.

(4) EXCAVATION, TRANSPORTATION, AND DISPOSAL QUANTITIES INCLUDE VOLUMES FOR CUT BACK OF PERIMETER SLOPES.

(5) PRESENT VALUE DISCOUNT NOT APPLIED.