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POST-REMEDIAL ACTION
QUARTERLY MONITORING REPORT NO. 3
FORMER DRUM STORAGE AREA
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

RAMBOLL

ENVIRONMENT
& HEALTH

CONTENTS

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TABLES

FIGURES

APPENDICES

ACRONYMS AND ABBREVIATIONS

ARARs	Applicable or Relevant and Appropriate Requirements
bgs	below ground surface
COC	chemicals of concern
CVOCs	chlorinated volatile organic compounds
cDCE	cis-1,2-dichloroethene
COCs	contaminants of concern
Dhc	*Dehalococcoides*
DO	dissolved oxygen
EVO	emulsified vegetable oil
FP&T	focused pump and treat
FDSA	former drum storage area
FSP&T	full-scale pump and treat
ISB	*in-situ* bioremediation
ISCR	*in-situ* chemical reduction
Kraft	Kraft Heinz Foods Company, Inc.
LBGHES	LBG Hydrogeologic and Engineering Services, P.C.
µg/L	micrograms per liter
mg/L	milligrams per liter
ORP	oxidation reduction potential
Ramboll	Ramboll US Consulting, Inc.
ROD	Record of Decision
SVE	soil vapor extraction
PCE	tetrachloroethene
TCA	1,1,1-trichloroethane
TOC	total organic carbon
TCE	trichloroethene
USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VOC	volatile organic compound
ZVI	zero valent iron

1. INTRODUCTION

On behalf of Kraft Heinz Foods Company, Inc. (Kraft Heinz), Ramboll US Consulting, Inc. (Ramboll[1]) has prepared this Report to present November 2020 performance monitoring results of February 2020 remedial actions designed to treat chemicals of concern (COCs; primarily tetrachloroethene [PCE] and its anaerobic degradation products) in groundwater at the former drum storage area (FDSA) on the Rowe Industries Superfund Site (the "Site") located in Sag Harbor, New York (Figure 1 and Figure 2). This report presents the third quarterly monitoring event results since the baseline monitoring was conducted in February 2020. The first quarterly monitoring event was conducted in May 2020 and the second quarterly monitoring event was conducted in August and September 2020 (as part of annual groundwater monitoring at the Site). These remedial actions were implemented in accordance with the United States Environmental Protection Agency (USEPA)-approved *Work Plan for In-Situ Groundwater Remediation, Former Drum Storage Area, Rowe Industries Site* (Ramboll, November 2019). Implementation of the remedial actions was conducted as documented in the *Electron Donor Injection Documentation Report* (Ramboll, May 2020).

2. BACKGROUND

2.1 Site History

The Site was historically used to manufacture various electrical components such as copper coils for toy slot cars. Degreasers used in the manufacturing process were disposed of in several drywells and were also stored in drums in the FDSA of the Site that eventually leaked to the ground surface. The contamination was detected in nearby drinking water wells during the mid-1980s, and a Suffolk County Department of Health investigation identified the source as the property occupied by Sag Harbor Industries (SHI). A subsequent remedial investigation identified COCs as PCE, trichloroethene (TCE) and 1,1,1-trichloroethane (TCA). Groundwater impacted with these COCs was found to extend northwesterly from the FDSA over a distance in excess of ½ mile toward a brackish estuary named Ligonee Creek and also Sag Harbor Cove. The subject of this report is residual impacted soil and groundwater within the FDSA, which is located on an upgradient adjacent property to SHI (107 Laurel Lane in Sag Harbor, New York). The following sections provide a summary of soil and groundwater remedial actions conducted at the FDSA.

2.2 Previous FDSA Unsaturated Zone Treatment

Excavation of contaminated soil from the surface to 4 feet below ground surface (bgs) was completed in the FDSA in 1998. To treat remaining chlorinated volatile organic compounds (CVOCs) in unsaturated zone soil, a soil vapor extraction (SVE) system was installed and operated from 1998 to 2003. In January 2005, LBG Hydrogeologic and Engineering Services, P.C. (LBGHES) submitted to the USEPA a report entitled *Addendum to Soil Remedial Action Report, Closure Request for Source Soils in the Former Drum Storage Area*. The 2005 LBGHES report demonstrated that soil quality in the unsaturated zone of the FDSA had achieved Applicable or Relevant and Appropriate Requirements (ARARs), and the USEPA subsequently approved the report conclusions. Remaining cleanup efforts within the FDSA therefore focus on treating the identified COCs in the saturated zone and capillary fringe near the water table.

As part of the information presented in the January 2005 LBGHES report, exceedances of the ARAR for PCE in soil were identified from soil samples collected at borings C3-2 and C3-4 in January 2003. The

[1] The company was formerly known as Ramboll US Corporation (2018-2020), Ramboll Environ US Corporation (2015-2018), and ENVIRON International Corporation (1989-2015).

detected PCE in these soil boring samples was located at depths below the annual high water table, such that the PCE was located within the saturated soil for a portion of the year and therefore not considered to represent the vadose zone. The January 2005 LBGHES report concluded that this detected PCE would be more effectively treated via a groundwater remedy.

2.3 Previous FDSA Saturated Zone Treatment

In November 2000, a focused groundwater pump and treat (FP&T) remediation system began operating with four focused recovery wells (FRW-1, 2, 3, and 4) within the FDSA. The primary objective of groundwater extraction from these four focused recovery wells is to prevent the COCs in groundwater from migrating beyond the FDSA.

In December 2002, a full-scale groundwater pump and treat (FSP&T) system consisting of nine recovery wells (identified as RW-1 through RW-9), an equalization tank, bag filters, tower air stripper, and transfer tank was installed and began operation for the purpose of recovering dissolved-phase COCs in groundwater downgradient of the FDSA.

In November 2004, approximately 10,800 pounds of EHC® product, which contained a micron-scale zero-valent iron (ZVI) and a carbon substrate, was injected into the saturated zone of the FDSA to enhance abiotic and biotic reductive dechlorination. The EHC® injection facilitated limited degradation of PCE to degradation products cis-1,2-dichloroethene (cDCE) and vinyl chloride (VC). However, COC concentrations in groundwater persisted at concentrations above ARARs such that FP&T system operations in the FDSA were resumed.

Between July 2005 and January 2014, in accordance with the Site's Consent Decree, eight of the recovery wells located downgradient of the FDSA were shut down with USEPA approval once the groundwater quality in those wells had achieved ARARs for at least 3 consecutive years. Downgradient FSP&T well RW-2 currently remains in operation. Operation of FP&T wells FRW-1 through FRW-4 have been suspended since just prior to the February 2020 FDSA remedial actions identified above and further described in Section 3 and Section 4. Since 2000, the results of ongoing groundwater monitoring have confirmed that COCs in groundwater have not migrated beyond the FDSA. However, due to continued elevated concentrations in the FDSA groundwater, the February 2020 *in-situ* groundwater remedial actions documented herein were implemented to further treat COC-impacted groundwater within the FDSA.

As indicated in Section 2.2, residual PCE is located at depths below the annual high water table, such that electron donor injection for the purpose of *in-situ* groundwater remediation should occur during high water table conditions. An evaluation of local precipitation and associated groundwater elevation patterns was therefore conducted prior to the February 2020 electron donor injection event to gain an understanding of expected water table conditions at the time of injection.

3. FEBRUARY 2020 FDSA SATURATED ZONE TREATMENT

Ramboll proposed additional *in-situ* treatment of soil and groundwater within the FDSA in the November 2019 Work Plan. Specifically, Ramboll proposed additional remedial action via *in-situ* chemical reduction (ISCR) and *in-situ* anaerobic bioremediation (ISB) within a vertical zone that ranged from approximately 16 to 31 feet bgs over an approximately 2,000 square foot area (Figure 3 and Figure 4). This treatment zone encompasses previously-detected CVOC concentrations in soil associated with a clay lens and interbedded sands and silts beneath the FDSA.

Ramboll contracted Redox Tech, LLC (Redox Tech) to implement ISCR/ISB via electron donor injection within the FDSA. The ISCR/ISB reagents included five 1,000-liter totes of Anaerobic BioChem (ABC®) carbon substrate, 5 liters of *Dehalococcoides (Dhc) containing* bacteria (commercially known as "RTB-1"), and 6,000 pounds of micron-scale ZVI. In addition to the ISCR/ISB reagents, guar was used on an as-needed basis to suspend the ZVI particles in prepared injection fluid, sodium sulfite to reduce dissolved oxygen in the injected amendment to support *Dhc* development, and granular bentonite for sealing the injection points.

Injection of reagents was conducted from February 25 to 28, 2020. A total of 19 injection points were advanced within the target injection area. Each injection location received 495 gallons of slurry that included approximately 474 pounds of ABC®, 316 pounds of ZVI, approximately 0.3 liters of RTB-1, and potable water that was deoxygenated using small quantities of sodium sulfite. The total quantities of injected amendment included 9,000 pounds of ABC®, 6,000 pounds of micron-scale ZVI and 5 liters of RTB-1, for a total of approximately 15,000 pounds of injected amendment that is commercially known as "ABC+."

The injections were performed at depths ranging from approximately 15 to 32 feet bgs at each injection location, as determined by surface topography and existing stratigraphic information (Figure 5 and Figure 6). The injections were performed using a direct push drill rig with hollow stem rods. The hollow stem rods were advanced to the target depth and a hose fitting was threaded to the top of the rods connected to a diaphragm pump to deliver the amendments to the subsurface. The amendments were delivered in 1-foot intervals to facilitate adequate and uniform vertical distribution of reagent. At each interval, approximately 33 gallons of amendment was delivered for a total of approximately 495 gallons of amendment delivered per injection point as indicated above. The formation readily received the injected slurry with no daylighting and moderate injection pressures (approximately 100 pounds per square inch [psi]). The injected flow rates exceeded 8 gallons per minute (gpm). Each boring was sealed at the completion of the injections using granular bentonite, and subsequently hydrated.

4. GROUNDWATER MONITORING PLAN

To evaluate the effectiveness of the February 2020 ISCR/ISB remedial actions, baseline and ongoing post-injection sampling of wells FRW-1 through FRW-4, MW-98-05AR, and MW-98-01A includes analysis of the following parameters: volatile organic compounds (VOCs) (Method 8260), sulfate (Method 300), ethene/ethane/methane (Method 8015), dissolved iron (Method 6010B/200.8), total organic carbon (TOC) (Method 5310C), and nitrate+nitrite (Method 300). For data quality purposes, one field duplicate sample is submitted for laboratory analysis of the parameters identified above as part of each monitoring event. The field parameters turbidity, specific conductance, dissolved oxygen (DO), pH, oxidation-reduction potential (ORP), and temperature are also analyzed in the field as part of each sampling event. In addition, monitoring wells MW98-04 and MW-45A are being monitored for VOCs.

Subsequent to the February 2020 ISCR/ISB injection event, the groundwater monitoring described above is being conducted on a quarterly basis for 1 year (four sampling events), followed by 2 years of semi-annual monitoring (four additional sampling events), followed by annual groundwater monitoring thereafter. Wells MW-28A/B, 44A/B/C, 58A/B, 59A/B, 98-04B, 45B, and N-32 and 32B will continue to be sampled in accordance with their regular annual monitoring schedule. The frequency of groundwater monitoring and scope of laboratory analyses may be modified during the course of the groundwater monitoring program in response to monitoring results and field observations.

The focused recovery wells have been turned off since February 2020 to prevent removal of the injected reagents. However, extraction well RW-2 located downgradient of the FDSA will remain active and follow the current monitoring and operation schedule until post-injection monitoring confirms that PCE concentrations have stabilized.

5. GROUNDWATER MONITORING RESULTS

Pursuant to the November 2019 Ramboll Work Plan, the following monitoring wells were sampled using low flow sampling procedures on November 17 through November 19, 2020: FRW-1, FRW-2, FRW-3, FRW-4, MW-45A, MW-98-01A, MW-98-04, and MW-98-05AR. The groundwater samples were submitted to York Analytical Laboratories, Inc., a New York-certified laboratory, and groundwater field sampling logs are provided as Appendix A. The groundwater samples were analyzed for VOCs, and the bioremediation indicator parameters dissolved iron, TOC, nitrate+nitrite, sulfate, ethene, ethane, and methane.

Following groundwater sample collection, the laboratory-provided groundwater sample containers were labeled with the sample location identifier, date and time of sample collection, and intended laboratory analyses. The sample containers were placed on ice in insulated coolers. A chain-of-custody form was prepared upon completion of sampling and accompanied the groundwater sample coolers to the project laboratory.

5.1 Water Table Elevations and Inferred Groundwater Flow Directions

An electronic water-level meter was used to measure static groundwater levels. The groundwater elevation measurements are provided in Table 1 and a potentiometric surface contour map with inferred groundwater flow directions based on the November 2020 water table elevation measurements is shown on Figure 7.

As indicated in Table 1, measured depths to the water table below the top of inner polyvinylchloride (PVC) well casings at the site in November 2020 ranged from 18.68 feet at monitoring well MW-28A to 23.91 feet at well MW-58A. As shown on Figure 7, the November 2020 water table elevations ranged from 7.07 to 7.68 feet above mean sea level (AMSL), which are similar to that recorded during the previous (September 2020) water table measurements. Based on the measured water table elevations, the inferred direction of shallow groundwater flow within the FDSA is generally to the north-northeast, at an estimated horizontal hydraulic gradient of approximately 0.008.

5.2 Field Parameters

Prior to collection of groundwater samples for laboratory analysis, each monitoring well was opened and allowed to equilibrate, and an electronic water-level meter was used to measure static groundwater levels. Once the static water levels were recorded, the wells were purged using low-flow techniques, and groundwater samples were collected using a peristaltic pump fitted with new, disposable tubing. The monitoring wells were purged until the field parameters of pH, specific conductance, and temperature stabilized, followed by sampling of the wells. Field parameters consisting of pH, specific conductivity, temperature, DO, and ORP were measured at all sampled monitoring wells using a Horiba U52 meter and flow-through cell and the results are documented in Table 2.

The field parameter data obtained within the treatment zone (exclusive of wells MW-45A and MW-98-04, which are outside of the treatment zone) as part of the February 2020 baseline groundwater monitoring event and November 2020 post-injection groundwater monitoring event are summarized as follows:

- Values of specific conductivity increased from a range of 85 to 151 micro-siemens per centimeter (µS/cm) in February 2020 to a range of 939 µS/cm (at MW-98-01A) to 4,140 µS/cm (at FRW-3) in November 2020, which may be indicative of subsurface distribution of the lactate-based carbon substrate within the treatment zone.
- Groundwater was under anaerobic to mildly aerobic conditions as the monitoring wells revealed February 2020 baseline DO concentrations that ranged from 0.88 milligrams per liter (mg/L) at MW-98-05AR to 4.95 mg/L at FRW-1 within the treatment zone. November 2020 DO concentrations within the treatment zone ranged from 0.20 mg/L (MW-98-05AR) to 0.75 mg/L (MW-98-01A), which is consistent with anaerobic conditions induced by the February 2020 injection of electron donor.
- The February 2020 ORP of the groundwater samples from the treatment zone monitoring wells ranged from +81 millivolts (mV) at MW-98-01A to +215 mV at FRW-1, which indicated that the groundwater was under mildly oxidizing conditions. The November 2020 ORP of the groundwater samples within the treatment zone ranged from -128 mV (at FRW-1) to +16 mV (at MW-98-01A), which indicates that the groundwater has transitioned to more reducing conditions in response to the February 2020 injection of electron donor.
- The February 2020 pH of the groundwater ranged from 5.20 (at FRW-1) to 6.14 at (MW-98-05AR) in the treatment zone monitoring wells. The November 2020 pH values were higher as they ranged from 5.98 (at MW-98-05AR) to 7.65 (at FRW-1) in treatment zone monitoring wells. The injected ABC® carbon substrate contains a phosphate pH buffer, and hydroxyl ions produced from corrosion of ZVI may also have increased the pH within the treatment zone to levels more favorable for *Dhc* development (in general, microbes generally prefer a pH range of 5 to 9 and *Dhc* microbial development is supported at pH values generally between 6 and 8).

5.3 Analytical Laboratory Parameters

Analytical results with associated Quality Assurance/Quality Control (QA/QC) qualifiers are provided in Appendix B, and a data validation report is provided in Appendix C. A comparison of the analyzed parameters in the groundwater samples obtained as part of the quarterly groundwater monitoring events with New York State Ambient Groundwater standards is provided in Table 3 and PCE concentrations are depicted in Figure 8. The analytical results are reported in units of micrograms per liter (µg/L), which is equivalent to parts per billion (ppb), or mg/L, which is equivalent to parts per million (ppm). Locations of monitoring wells are identified on Figure 2.

5.3.1 Total Organic Carbon

TOC is an indicator of natural organic carbon as part of baseline site characterization and is also an indicator of substrate distribution during anaerobic bioremediation performance monitoring. TOC concentrations greater than 20 mg/L are desired within an anaerobic treatment zone. Stable or declining total organic carbon concentrations less than 20 mg/L, in conjunction with elevated concentrations of CVOCs and alternate electron acceptors indicate that additional substrate is required to sustain the treatment zone (AFCEE, 2004).

February 2020 TOC concentrations in the treatment zone monitoring wells ranged from 2.16 mg/L (at MW-98-01A) to 2.66 mg/L (at MW-98-05AR) (Table 3), confirming that addition of carbon substrate was likely required to sustain an anaerobic bioremediation treatment zone. In response to the February 2020 injection of carbon substrate, November 2020 TOC concentrations increased to a range from 1,200 mg/L (at well FRW-4) to 13,400 mg/L (duplicate at well FRW-3). The arithmetic mean TOC concentration increased over three orders-of-magnitude, from 2.33 mg/L in February 2020 to 5,200 mg/L in November 2020. Therefore, TOC concentrations remain favorable for anaerobic

bioremediation within the treatment zone based on the November data, 9 months after completion of the February 2020 carbon substrate and ZVI injection.

5.3.2 Nitrate

Nitrate is an alternate electron acceptor for microbial respiration in the absence of oxygen. Depleted concentrations of nitrate relative to background values indicate that the groundwater environment is sufficiently reducing to sustain nitrate reduction. Nitrate concentrations less than 1 mg/L are desirable for anaerobic dechlorination to occur.

February 2020 nitrate concentrations in the treatment zone monitoring wells ranged from 0.166 to 1.17 mg/L, indicating that addition of carbon substrate would be beneficial to sustain an anaerobic bioremediation treatment zone. In contrast, none of the November 2020 groundwater samples in treatment zone monitoring wells revealed detectable concentrations of nitrate, at a detection limit of 0.050 mg/L. Nitrate reducing conditions continue to be present based on the November 2020 groundwater sample results.

5.3.3 Ferrous Iron

In some cases, ferric iron is used as an electron acceptor during anaerobic biodegradation of organic carbon; however, ferric iron is typically present in solid mineral form. During this process, ferric iron is reduced to ferrous iron, which is soluble in water. Elevated concentrations of ferrous iron indicate that the groundwater environment is sufficiently reducing to sustain iron reduction and for anaerobic dechlorination to occur. However, ferrous iron concentrations may be biased low due to co-precipitation with sulfides. Dependent on the amount of fermentable substrate and bioavailable iron already present in the aquifer, a site may not exhibit a substantial increase in ferrous iron if ferric iron is already low or depleted.

February 2020 dissolved iron concentrations ranged from <0.010 to 0.465 mg/L in the groundwater treatment zone. These relatively low baseline dissolved iron concentrations were not consistent with strongly reducing conditions. Post-injection November 2020 ferrous iron concentrations increased substantially to a range from 203 mg/L (at well MW-98-01A) to 1,510 mg/L (duplicate groundwater sample from well FRW-3). These elevated concentrations of ferrous iron in response to the delivered carbon substrate and ZVI indicate that the groundwater environment within the treatment zone remains sufficiently reducing to sustain iron reduction and for anaerobic dechlorination to occur.

5.3.4 Sulfate

Sulfate is an alternate electron acceptor for microbial respiration in the absence of oxygen, nitrate, and ferric iron. Depleted concentrations of sulfate relative to background values indicate that the groundwater environment is sufficiently reducing to sustain sulfate reduction and for anaerobic dechlorination to occur. Sulfate concentrations less than 20 mg/L are desirable, but not required, for anaerobic dechlorination to occur. High concentrations of sulfate in conjunction with the absence of TOC indicate that additional substrate may be required to promote anaerobic dechlorination.

February 2020 sulfate concentrations detected in the groundwater treatment monitoring wells ranged from 6.84 to 12.1 mg/L; these relatively low native sulfate concentrations were concluded to not pose a high electron donor demand within the groundwater treatment zone. In response to the February 2020 electron donor injection event, the November 2020 groundwater samples revealed even lower sulfate concentrations (a range between <1 to 1.88 mg/L). These results indicate that sulfate reducing conditions continue to be maintained within the treatment zone.

5.3.5 Methane/Ethane/Ethene

During methanogenesis, acetate is split to form carbon dioxide and methane, or carbon dioxide is used as an electron acceptor and is reduced to methane. Elevated concentrations of methane indicate that fermentation is occurring in a highly anaerobic environment and that reducing conditions are appropriate for anaerobic dechlorination of CVOCs to occur. Elevated concentrations of ethene and ethane indicate that anaerobic dechlorination of CVOCs is already occurring. Methane concentrations greater than 1 mg/L are desirable, but not required, for anaerobic dechlorination to occur. Methane concentrations less than 1 mg/L and the accumulation of cDCE or VC may indicate that additional substrate is required to drive reducing conditions into an environment suitable for reduction of these compounds. If elevated concentrations of ethene or ethane are not detected, potential accumulation of cDCE or VC should be monitored.

February 2020 baseline methane concentrations in the treatment zone monitoring wells ranged from <0.010 to 0.25 mg/L, and none of the monitoring wells contained detectable concentrations of ethene or ethane. Post-injection November 2020 methane concentrations ranged from 1.7 mg/L (at well MW-98-01A) to 33.0 mg/L (at well FRW-4) in the treatment zone. November 2020 methane concentrations were greater than 1 mg/L in all of the treatment zone monitoring wells. These findings indicate that fermentation is occurring in a highly anaerobic environment and that reducing conditions are appropriate for anaerobic dechlorination of CVOCs to occur. The November 2020 groundwater samples did not contain detectable concentrations of ethene or ethane, such that complete reductive dechlorination may not have as yet commenced.

5.3.6 Chlorinated Volatile Organic Compounds

VOC concentrations detected in groundwater samples are summarized in Table 3. Based on concentration and frequency of detection, the predominant constituents of interest detected within the FDSA groundwater treatment zone are PCE and its degradation products TCE, cDCE, and VC. The extent of detectable PCE concentrations based on the November 2020 groundwater sample results is illustrated on Figure 8. As shown on Figure 8, at 9 months post-injection, the detected PCE concentration in the groundwater sample from well MW-98-01A (5.1 µg/L) slightly exceeded the New York State Ambient Groundwater Standard of 5 µg/L. None of the other November 2020 groundwater samples contained PCE concentrations above the New York State Ambient Groundwater Standard, and none of the November 2020 samples contained TCE concentrations above the TCE New York State Ambient Groundwater Standard of 5 µg/L. November 2020 groundwater samples from the following monitoring wells contained cDCE above the New York State Ambient Groundwater Standard of 5 µg/L and VC above the New York State Ambient Groundwater Standard of 2 µg/L: FRW-1, FRW-2, FRW-3, and MW-98-05AR.

5.3.6.1 Well FRW-1

Between February 2020 and November 2020, the PCE concentration declined from 320 µg/L to 0.58 µg/L, the TCE concentration decreased from 1.4 µg/L to <0.2 µg/L (after an increase to 42 µg/L during the May 2020 sampling event), the cDCE concentration increased from <0.2 µg/L to 490 µg/L, and the VC concentration increased from <0.2 µg/L to 12 µg/L in response to enhanced reductive dechlorination. Evaluation of molar fractions (molar concentrations of PCE, TCE, cDCE, VC, and ethene divided by the molar concentration of total ethenes) over time is a method used to determine if biodegradation has been stimulated.

As shown on Figure D-1, the 2018 and 2019 (pre-injection) detected molar fractions at well FRW-1 ranged from 78 to 99% PCE, 0 to 8% TCE, and 0 to 16% cDCE. Based on the November 2020 groundwater monitoring results, the detected molar fractions at well FRW-1 were as follows: 0% PCE,

0% TCE, 96% cDCE, and 4% VC. Without sequential dechlorination, the ratios of the targeted compounds would all remain relatively constant, even if all of the concentrations would decline (due to dilution, for example).

5.3.6.2 Well FRW-2

Between September 2019 and November 2020, the PCE concentration decreased from 2.18 µg/L to 0.63 µg/L (after an increase to 13 µg/L during the August/September 2020 sampling event), the TCE concentration increased slightly from non-detect to a concentration of 0.2J[2] µg/L (a slight decrease from 1.5J µg/L measured during the August/September sampling event), the cDCE concentration increased from non-detect to 88 µg/L, and the VC concentration increased from a non-detect to 6.8 µg/L. As shown on Figure D-2, the 2018 and 2019 (pre-injection) detected molar fractions at well FRW-2 ranged from 30 to 100% PCE, 0 to 6% TCE, and 0 to 64% cDCE. Based on the November 2020 groundwater monitoring results, the detected molar fractions at well FRW-2 were as follows: 0.4% PCE, 0.1% TCE, 89% cDCE, and 10% VC. As indicated above, in response to the February 2020 injection of electron donor the PCE molar fraction declined while the cDCE and VC molar fractions increased (such that cDCE became the predominant CVOC at well FRW-2 as of August/September 2020 and remains the predominant CVOC based on the November 2020 sampling event results).

5.3.6.3 Well FRW-3

Between September 2019 and November 2020, the PCE concentration decreased from 6.57 µg/L to 1.4 µg/L (after increasing to 15 µg/L during the August/September 2020 sampling event), the TCE concentration remained non-detect (after a slight increase to 0.81 µg/L during the August/September 2020 sampling event), the cDCE concentration increased from 1.64 to 110 µg/L, and the VC concentration increased from non-detect to 3.2 µg/L. As shown on Figure D-3, the 2018 and 2019 (pre-injection) detected molar fractions at well FRW-3 ranged from 34 to 83% PCE, 3 to 7% TCE, and 14 to 59% cDCE. Based on the November 2020 groundwater monitoring results, the detected molar fractions at well FRW-3 were as follows: 1% PCE, 0% TCE, 95% cDCE, and 4% VC. In response to the February 2020 injection of electron donor, the cDCE and VC molar fractions have increased such that cDCE is the predominant CVOC at well FRW-3 as of August/September 2020 and remains the predominant CVOC based on the November 2020 sampling data.

5.3.6.4 Well MW-98-05AR

Between February 2020 and November 2020, the PCE concentration decreased from 26J µg/L to 0.58 µg/L, the TCE concentration decreased from 1.2 µg/L to <0.20 µg/L (after slightly increasing to 1.5 µg/L during the August/September 2020 sampling event), the cDCE concentration increased from 1.4 µg/L to 75 µg/L (but decreased from the 120 µg/L detected in the August/September 2020 groundwater sample), and the VC concentration increased from non-detect to 4.7 µg/L. As shown on Figure D-3, the 2018 and 2019 (pre-injection) detected molar fractions at well FRW-3 ranged from 64 to 100% PCE, 0 to 5% TCE, and 0 to 31% cDCE. Based on the November 2020 groundwater monitoring results, the detected molar fractions at well FRW-3 were as follows: 0% PCE, 0% TCE, 91% cDCE, and 9% VC. In response to the February 2020 injection of electron donor, the PCE and TCE molar fractions declined while the cDCE and VC molar fractions increased resulting in cDCE representing the predominant CVOC at well FRW-3 by August/September 2020 and again based on the November 2020 sampling data.

[2] Qualified by project laboratory as an estimated value between the limit of detection and limit of quantification.

5.3.6.5 Well FRW-4

Between August/September 2020 and November 2020, the cDCE concentration decreased from 7.5 µg/L to 4.6 µg/L, which is less than the New York State Ambient Groundwater Standard of 5 µg/L.

5.3.6.6 Other Wells

The November 2020 groundwater sample from well MW-98-04 outside of the treatment area contained toluene at a concentration of 1.3 µg/L, which is less than the August/September 2020 concentration of 65 µg/L that had exceeded the New York State Ambient Groundwater Standard of 5 µg/L. The November 2020 groundwater sample from well MW-45A outside of the treatment area did not reveal any CVOC concentrations greater than New York State Ambient Groundwater Standards.

5.3.7 Ketones

Post-injection November 2020 groundwater samples obtained from wells FRW-1, FRW-3, and MW-98-04 located inside of the groundwater treatment zone contained concentrations of acetone above the New York State Ambient Groundwater Standard of 50 µg/L and ranged as high as 1,000 µg/L. Post-injection November 2020 groundwater samples obtained from wells FRW-2 through FRW-4, MW-98-01A, and MW-98-05AR contained concentrations of 2-butanone above the New York State Ambient Groundwater Standard of 50 µg/L and ranged as high as 2,200 µg/L. Post-injection November 2020 groundwater samples obtained from wells FRW-1 through FRW-3 contained 2-hexanone at concentrations of 78 µg/L, 270 µg/L and 650 µg/L (respectively), which exceed the New York State Ambient Groundwater Standard of 50 µg/L.

When an impacted aquifer is amended with electron donor, a small portion of the organic matter in that system may be converted to these ketones. These ketone detections may be a consequence of highly effective dechlorination reactions and possibly associated with enhanced activities of *Clostridium* sp. or other ketone-producing fermenters that also dechlorinate ethenes (Suthersan and Payne, 2005). Experience shows that even relatively high concentrations of acetone and other ketone intermediates are quickly attenuated and prove not to represent a concern outside of groundwater treatment areas. The results of future groundwater monitoring events will be evaluated in terms of ketone generation, to determine if any corrective measures would be appropriate.

6. CONCLUSIONS

This Report has been prepared to present November 2020 performance monitoring results of the February 2020 electron donor injection that was designed to treat PCE and its anaerobic degradation products in groundwater at the FDSA. The results of the initial post-injection groundwater monitoring event can be summarized as follows:

1. Post-injection November 2020 DO and ORP values in the treatment zone remained substantially lower than the February 2020 baseline values, which is consistent with anaerobic conditions induced by the February 2020 injection of electron donor.
2. The injected ABC® carbon substrate contains a phosphate pH buffer, and hydroxyl ions produced from corrosion of ZVI may also have facilitated increased detected pH values within the treatment zone between February and November 2020, to levels more favorable for *Dhc* development.
3. In response to the February 2020 injection of carbon substrate, average TOC concentrations within the treatment zone remained over three-orders-of-magnitude higher in November 2020 than in February 2020, which is indicative of effective subsurface distribution and sustained persistence of electron donor.

4. Nitrate reducing conditions were rapidly created and have been sustained after injection of carbon substrate, as nitrate concentrations remained non-detect in November 2020 groundwater samples from all wells within the treatment zone.
5. Ferrous iron concentrations increased from less than 0.47 mg/L pre-injection to a range from 203 mg/L to 1,510 mg/L in November 2020. These elevated concentrations of ferrous iron in response to the delivered carbon substrate and ZVI indicate that the groundwater environment within the treatment zone is sufficiently reducing to sustain iron reduction and anaerobic dechlorination.
6. February 2020 sulfate concentrations detected in the treatment zone monitoring wells ranged from 6.84 mg/L to 12.1 mg/L. In response to the February 2020 electron donor injection event, the November 2020 groundwater samples revealed even lower sulfate concentrations (a range between <1 to 1.88 mg/L). These results indicate that sulfate reducing conditions have been enhanced and sustained within the treatment zone.
7. February 2020 baseline methane concentrations in the treatment zone were less than 0.25 mg/L. Post-injection November 2020 methane concentrations ranged from 1.7 mg/L to 33 mg/L. These findings indicate that fermentation continues to occur in a highly anaerobic environment and that reducing conditions are appropriate for anaerobic dechlorination of CVOCs to occur.
8. Between February and November 2020, cDCE concentrations (relative to parent compound PCE) increased in groundwater samples from wells FRW-1, FRW-2, FRW-3, and MW-98-05AR within the treatment zone. Without sequential dechlorination, the ratios of the targeted compounds would all remain relatively constant, even if all of the concentrations would decline (due to dilution, for example). Maximum cDCE concentrations were detected in the August/September 2020 groundwater samples, followed by decreased cDCE concentrations in the November 2020 samples. This observation is consistent with depletion of precursor PCE and TCE mass.
9. The November 2020 groundwater samples from wells FRW-1, FRW-2, FRW-3 and MW-98-05AR contained VC, which was initially detected in the May and August/September 2020 groundwater sample. The generation of VC was likely facilitated by the bioaugmentation with *Dhc* microbial culture that was conducted as part of the February 2020 remedial action injection event (as *Dhc* are the only known microbes capable of dechlorination of chlorinated ethenes beyond cDCE).

7. REFERENCES CITED

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TABLES

Table 1
Groundwater Elevation Measurements
Former Rowe Industries Superfund Site
Sag Harbor, New York

Well ID	PVC Well Casing Elevation[1]	Measurement Date	Depth to Water[2]	GW Elevation
FRW-1	31.00	2/19/2020-2/20/2020	22.00	9.00
		2/24/2020	21.31	9.69
		5/19/2020	21.44	9.56
		9/4/2020	23.21	7.79
		11/17/2020	23.32	7.68
FRW-2	25.55	2/19/2020-2/20/2020	NM	NM
		2/24/2020	19.85	5.70
		5/19/2020	NR	NR
		9/4/2020	21.78	3.77
		11/17/2020	21.89	3.66
FRW-3	29.36	2/19/2020-2/20/2020	NM	NM
		2/24/2020	19.70	9.66
		5/19/2020	19.55	9.81
		9/4/2020	21.60	7.76
		11/17/2020	21.70	7.66
FRW-4	28.73	2/19/2020-2/20/2020	NM	NM
		2/24/2020	19.05	9.68
		5/19/2020	18.89	9.84
		9/4/2020	21.08	7.65
MW-28A	25.90	5/19/2020	16.67	9.23
		9/4/2020	18.70	7.20
		11/17/2020	18.68	7.22
MW-28B	25.99	5/19/2020	16.58	9.41
		9/4/2020	18.61	7.38
MW-44A	29.44	9/4/2020	23.03	6.41
MW-44B	29.54	9/4/2020	22.86	6.68
MW-44C	29.76	9/4/2020	22.87	6.89
MW-45A	27.44	2/19/2020-2/20/2020	18.20	9.24
		2/24/2020	18.28	9.16
		5/19/2020	18.11	9.33
		9/4/2020	20.19	7.25
		11/17/2020	20.28	7.16
MW-45B	27.63	5/19/2020	17.98	9.65
		9/4/2020	20.06	7.57
MW-58A	31.48	5/19/2020	21.74	9.74
		9/4/2020	23.80	7.68
		11/17/2020	23.91	7.57
MW-58B	31.46	5/19/2020	21.70	9.76
		9/4/2020	23.77	7.69
MW-59A	33.88	9/4/2020	27.12	6.76
MW-59B	33.84	9/4/2020	27.08	6.76
MW-98-01A	30.47	2/19/2020-2/20/2020	20.70	9.77
		2/24/2020	NM	NM
		5/19/2020	20.78	9.69
		9/4/2020	22.70	7.77
		11/17/2020	22.81	7.66
MW-98-04	28.00	2/19/2020-2/20/2020	18.30	9.70
		2/24/2020	18.41	9.59
		5/19/2020	18.26	9.74
		9/4/2020	20.32	7.68
		11/17/2020	20.40	7.60
MW98-04B	27.94	5/19/2020	18.17	9.77
		9/4/2020	20.24	7.70
MW-98-05AR	29.26	2/19/2020-2/20/2020	20.00	9.26
		2/24/2020	NM	NM
		5/19/2020	20.66	8.60
		9/4/2020	22.24	7.02
		11/17/2020	22.19	7.07
MW98-05BR	29.76	5/19/2020	19.54	10.22
		9/4/2020	21.63	8.13
		11/17/2020	22.19	7.57
N-32	32.21	9/4/2020	25.69	6.52
N-32B	32.26	9/4/2020	25.70	6.56

Abbreviations:
GW -- Groundwater
NM -- Not measured
NR - Not reported as the groundwater level measurement is considered unreliable.

Notes:
1. Elevation is reported as feet above mean sea level using North American Vertical Datum of 1988 (NAVD88)
2. Depth is reported as feet below PVC Well Casing Elevation

Table 2
Groundwater Field Parameter Results
Former Rowe Industries Superfund Site
Sag Harbor, New York

	Parameter	pH	Dissolved oxygen	Oxidation Reduction Potential	Specific Conductivity	Temperature
	Units	S.U.	mg/L	mV	uS/cm	°C
Monitoring Well ID	Sample Date					
FRW-1	2/19/2020	5.20	4.95	+215	85	11.23
	5/20/2020	5.93	0.00	-81	468	14.65
	8/31/2020	6.64	0.00	-98	1,650	15.85
	11/18/2020	7.65	0.31	-128	2,090	9.11
FRW-2	5/20/2020	6.21	0.00	-135	1,660	12.46
	8/31/2020	6.04	0.00	-83	2,330	18.91
	11/19/2020	7.33	0.23	-118	2,710	13.51
FRW-3	5/20/2020	6.44	0.00	-132	1,360	13.08
	8/31/2020	6.11	0.00	-97	3,420	15.93
	11/17/2020	6.74	0.32	-92	4,140	11.73
FRW-4	5/20/2020	6.39	0.00	-112	456	13.98
	8/31/2020	6.61	0.00	-161	637	18.12
	11/18/2020	7.62	0.30	-115	1,070	9.34
MW-28A	8/30/2020	6.36	0.00	-120	203	16.54
MW-28B	8/30/2020	6.17	0.00	-33	118	16.65
MW-44A	9/2/2020	6.02	2.48	+203	194	16.86
MW-44B	9/2/2020	5.93	8.15	+299	208	14.51
MW-44C	9/2/2020	6.50	0.00	+77	122	15.55
MW-45A	2/20/2020	6.00	0.11	+124	149	9.85
	5/19/2020	6.00	0.00	+128	179	12.83
	9/1/2020	6.22	0.00	+107	155	14.00
	11/17/2020	5.75	0.80	+160	220	13.38
MW-45B	9/1/2020	6.45	0.00	+14	168	15.78
MW-58A	8/30/2020	5.17	2.60	+310	135	13.93
MW-58B	8/30/2020	5.20	4.03	+324	162	13.81
MW-59A	9/3/2020	6.25	3.69	+207	326	24.44
MW-59B	9/3/2020	5.26	0.00	+295	175	16.66
MW-98-01A	2/19/2020	5.70	1.20	+81	141	10.90
	5/20/2020	6.64	0.00	-127	247	15.97
	9/1/2020	6.58	0.00	-36	679	16.19
	11/18/2020	6.44	0.75	+16	939	8.25
MW-98-04	2/19/2020	5.67	0.48	+130	157	10.44
	5/19/2020	6.28	0.00	+25	206	12.95
	8/30/2020	5.60	0.38	+100	240	16.81
	11/19/2020	5.40	1.68	+264	299	13.03
MW-98-04B	8/30/2020	6.04	0.00	+120	148	15.73
MW-98-05AR	2/19/2020	6.14	0.88	+82	151	11.38
	5/19/2020	5.83	0.00	-11	407	12.76
	9/1/2020	6.04	0.00	-8	676	14.60
	11/19/2020	5.98	0.20	+15	2,180	13.82
N-32	9/2/2020	6.53	0.00	+11	277	18.08
N-32B	9/2/2020	6.11	3.52	+147	125	17.03

Notes:
S.U. = Standard Units
mg/L = milligrams per Liter
mV = millivolts
uS/cm = microsiemens per centimeter
°C = Celsius

TABLE 3
Summary of Groundwater Sampling Results
Former Rowe Industries Superfund Site
Sag Harbor, New York

	Location		FRW-1	FRW-1	FRW-1	FRW-1	FRW-1	FRW-2	FRW-2	FRW-2	FRW-3	FRW-3
	Field Sample ID		FRW-1-20200220	DUP-20200220	FRW-1-200520	FRW1-200831	FRW1-201118	FRW-2-200520	FRW2-200831	FRW2-201119	FRW-3-200520	FRW3-200831
	Lab Sample ID(s)	NY Fresh Groundwater (GA)	20B0768-02; 20B0768-02RE1	20B0768-03; 20B0768-03RE1	20E0617-09; 20E0617-09RE1	20I0209-02; 20I0209-02RE1	20K0801-07; 20K0801-07RE1	20E0617-07; 20E0617-07RE1	20H1216-10; 20H1216-10RE1	20K0890-02; 20K0890-02RE1	20E0617-08; 20E0617-08RE1	20H1216-07; 20H1216-07RE1
	Sample Method	Standards	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump
	Sample Date		2/20/2020	2/20/2020	5/20/2020	8/31/2020	11/18/2020	5/20/2020	8/31/2020	11/19/2020	5/20/2020	8/31/2020
	Comments			Field Duplicate								
WQ												
	Organic Carbon (total)		2170 (1000)	2340 (1000)	687000 (10000)	1110000 (100000)	3250000 (500000)	1930000 (100000)	1850000 (100000)	5200000 (500000)	868000 (100000)	2380000 (100000)
	Nitrate	10000	166 (50)	179 (50)	U (50)	HU (50)	U (50)	U (50)	U (50)	U (50)	U (50)	U (50)
	Nitrite	1000	U (50)	U (50)	U (50)	HU (50)	U (50)	U (50)	U (50)	U (50)	U (50)	U (50)
	Sulfate	250000	12100 (1000)	11800 (1000)	U (1000)	U (1000)	U (1000)	2300 (1000)	U (1000)	U (1000)	4500 (1000)	1640 (1000)
VOC												
	Acetone	50	U (1)	U (1)	46 (1)	**230 (20)**	**970 (10)**	**1200 (20)**	**2600 (50)**	U (1)	**97 (5)**	**390 J (25)**
	Benzene	1	U (0.2)	U (0.2)	U (0.2)	0.21 J (0.2)	0.34 J (0.2)	U (1)	1 J (1)	0.85 (0.2)	U (1)	0.55 (0.2)
	2-Butanone	50	U (0.2)	U (0.2)	49 (0.2)	**580 (4)**	U (0.2)	**680 J (1)**	**1700 J (10)**	**1000 (10)**	**570 J (1)**	**1500 J (5)**
	Carbon Disulfide	60	U (0.2)	U (0.2)	0.46 J (0.2)	0.21 J (0.2)	0.73 (0.2)	U (1)	U (1)	U (0.2)	U (1)	0.38 J (0.2)
	Chloroethane	5	U (0.2)	U (0.2)	U (0.2)	0.24 J (0.2)	0.29 J (0.2)	U (1)	U (1)	U (0.2)	U (1)	U (0.2)
	Chloroform	7	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	U (1)	U (0.2)
	1,1-Dichloroethane	5	U (0.2)	U (0.2)	U (0.2)	0.69 (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	U (1)	U (0.2)
	1,1-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	0.24 J (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	U (1)	U (0.2)
	cis-1,2-Dichloroethene	5	U (0.2)	U (0.2)	**42 (0.2)**	**560 (4)**	**490 (2)**	**11 (1)**	**200 (1)**	**88 (10)**	**120 (1)**	**120 (0.2)**
	trans-1,2-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	1.6 J (0.2)	0.81 (0.2)	U (1)	U (1)	U (0.2)	U (1)	U (0.2)
	Ethyl Benzene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	0.28 J (0.2)	U (1)	U (1)	U (0.2)	U (1)	U (0.2)
	2-Hexanone	50	U (0.2)	U (0.2)	3.5 (0.2)	39 (0.2)	**78 (0.2)**	**150 (1)**	**300 (1)**	**270 (10)**	**82 (1)**	**300 J (5)**
	4-Methyl-2-pentanone		U (0.2)	U (0.2)	U (0.2)	1.3 (0.2)	1.8 (0.2)	2.3 J (1)	U (1)	4.4 (0.2)	U (1)	2.7 (0.2)
	Tetrachloroethene	5	**320 (2)**	**320 (2)**	**79 (0.2)**	0.3 J (0.2)	0.58 (0.2)	**6.2 (1)**	**13 (1)**	0.63 (0.2)	**6 (1)**	**15 (0.2)**
	Toluene	5	U (0.2)	U (0.2)	U (0.2)	0.61 (0.2)	1.8 (0.2)	1.6 J (1)	2.1 J (1)	2.1 (0.2)	U (1)	0.46 J (0.2)
	1,1,1-Trichloroethane	5	0.57 (0.2)	0.68 (0.2)	U (0.2)	U (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	U (1)	U (0.2)
	Trichloroethene	5	1.4 (0.2)	1.4 (0.2)	**7.5 (0.2)**	0.25 J (0.2)	U (0.2)	U (1)	1.5 J (1)	0.2 J (0.2)	U (1)	0.81 (0.2)
	1,2,4-Trimethylbenzene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (1)	1.5 J (1)	0.35 J (0.2)	U (1)	U (0.2)
	Vinyl Chloride	2	U (0.2)	U (0.2)	U (0.2)	**8.5 (0.2)**	**12 (0.2)**	U (1)	**5.1 (1)**	**6.8 (0.2)**	**3.4 J (1)**	1.4 (0.2)
PDIST												
	Ethane		U (10)	U (10)	U (10)	U (100)	U (10)	U (50)	U (200)	U (10)	U (100)	U (200)
	Ethene		U (10)	U (10)	U (10)	U (100)	U (10)	U (50)	U (200)	U (10)	U (100)	U (200)
	Methane		U (10)	U (10)	1100 (10)	8800 (100)	5900 (100)	3200 (50)	18000 (200)	11000 (100)	4800 (100)	29000 (200)
INORG (Dissolved)												
	Iron		U (10)	U (10)	248000 (1000)	1120000 (13900)	715000 (250)	792000 (1000)	1550000 (13900)	887000 (250)	621000 (1000)	1950000 (13900)

Notes:
1 All concentrations are presented in ug/L.
2 Only compounds with at least one detection are shown.
3 Concentrations that exceed the NY Fresh Groundwater (GA) Standards are **boldfaced**.

Abbreviations:
WQ -- Water Quality.
VOC -- Volatile Organic Compounds.
PDIST -- Petroleum Distillates.
INORG -- Inorganics.
U -- Not Detected.
J -- Estimated Concentration.
H -- Analyzed out of holding time.
( ) -- Detection Limit.
--- -- Not Analyzed.

TABLE 3
Summary of Groundwater Sampling Results
Former Rowe Industries Superfund Site
Sag Harbor, New York

Location			FRW-3	FRW-3	FRW-3	FRW-4	FRW-4	FRW-4	MW-28A	MW-28B	MW-44A
Field Sample ID			DUP01-200831	FRW3-201117	DUP01-201117	FRW-4-200520	FRW4-200831	FRW4-201119	MW28A-200830	MW28B-200830	MW44A-200902
Lab Sample ID(s)		NY Fresh Groundwater (GA)	20H1216-08; 20H1216-08RE1	20K0801-02; 20K0801-02RE1	20K0801-03; 20K0801-03RE1	20E0644-01; 20E0644-01RE1	20I0209-01; 20I0209-01RE1	20K0890-05; 20K0890-05RE1	20H1216-04	20H1216-05	20I0209-09
Sample Method		Standards	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump
Sample Date			8/31/2020	11/17/2020	11/17/2020	5/20/2020	8/31/2020	11/19/2020	8/30/2020	8/30/2020	9/2/2020
Comments			Field Duplicate		Field Duplicate						
WQ											
	Organic Carbon (total)		2530000 (100000)	12400000 (500000)	13400000 (500000)	268000 (10000)	352000 (10000)	1200000 (500000)	---	---	---
	Nitrate	10000	U (50)	U (50)	U (50)	U (50)	HU (50)	U (50)	---	---	---
	Nitrite	1000	U (50)	U (50)	U (50)	U (50)	HU (50)	U (50)	---	---	---
	Sulfate	250000	1520 (1000)	1880 (1000)	1300 (1000)	4890 (1000)	U (1000)	U (1000)	---	---	---
VOC											
	Acetone	50	**460 (5)**	**1000 (50)**	**980 (25)**	14 (1)	**220 (10)**	U (1)	3.7 (1)	U (1)	U (1)
	Benzene	1	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
	2-Butanone	50	**2100 J (5)**	**2200 (10)**	**2200 (5)**	31 (0.2)	**180 (2)**	**150 (2)**	28 (0.2)	U (0.2)	U (0.2)
	Carbon Disulfide	60	U (1)	U (1)	U (1)	0.69 (0.2)	0.22 J (0.2)	0.38 J (0.2)	U (0.2)	0.35 J (0.2)	U (0.2)
	Chloroethane	5	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
	Chloroform	7	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	0.52 (0.2)
	1,1-Dichloroethane	5	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
	1,1-Dichloroethene	5	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
	cis-1,2-Dichloroethene	5	**120 (1)**	**110 (1)**	**110 (1)**	0.51 (0.2)	**7.5 (0.2)**	4.6 (0.2)	U (0.2)	U (0.2)	U (0.2)
	trans-1,2-Dichloroethene	5	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
	Ethyl Benzene	5	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
	2-Hexanone	50	**400 (1)**	**650 (1)**	**560 (1)**	U (0.2)	28 (0.2)	36 (0.2)	U (0.2)	U (0.2)	U (0.2)
	4-Methyl-2-pentanone		U (1)	4.4 (1)	4 (1)	U (0.2)	2.3 (0.2)	3 (0.2)	U (0.2)	U (0.2)	U (0.2)
	Tetrachloroethene	5	**13 (1)**	1.4 J (1)	1.9 J (1)	1.7 (0.2)	0.33 J (0.2)	0.25 J (0.2)	U (0.2)	U (0.2)	U (0.2)
	Toluene	5	U (1)	U (1)	U (1)	U (0.2)	0.2 J (0.2)	0.39 J (0.2)	U (0.2)	U (0.2)	U (0.2)
	1,1,1-Trichloroethane	5	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
	Trichloroethene	5	U (1)	U (1)	U (1)	0.27 J (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
	1,2,4-Trimethylbenzene	5	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
	Vinyl Chloride	2	1.4 J (1)	**3.2 (1)**	**3 (1)**	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
PDIST											
	Ethane		U (200)	U (10)	U (10)	U (10)	U (100)	U (10)	---	---	---
	Ethene		U (200)	U (10)	U (10)	U (10)	U (100)	U (10)	---	---	---
	Methane		33000 (200)	6300 (100)	8500 (100)	U (10)	14000 (100)	33000 (200)	---	---	---
INORG (Dissolved)											
	Iron		1980000 (13900)	1340000 (2500)	1510000 (2500)	223000 (1000)	443000 (13900)	266000 (250)	---	---	---

Notes:
1 All concentrations are presented in ug/L.
2 Only compounds with at least one detection are shown.
3 Concentrations that exceed the NY Fresh Groundwater (GA) Standards are **boldfaced**.

Abbreviations:
WQ -- Water Quality.
VOC -- Volatile Organic Compounds.
PDIST -- Petroleum Distillates.
INORG -- Inorganics.
U -- Not Detected.
J -- Estimated Concentration.
H -- Analyzed out of holding time.
( ) -- Detection Limit.
--- -- Not Analyzed.

TABLE 3
Summary of Groundwater Sampling Results
Former Rowe Industries Superfund Site
Sag Harbor, New York

Location		MW-44B	MW-44C	MW-45A	MW-45A	MW-45A	MW-45A	MW-45B	MW-58A	MW-58B	MW-59A	MW-59B
Field Sample ID		MW44B-200902	MW44C-200902	MW-45A-20200220	MW-45A-200519	MW45A-200901	MW45A-201117	MW45B-200901	MW58A-200830	MW58B-200830	MW59A-200903	MW59B-200903
Lab Sample ID(s)	NY Fresh Groundwater (GA) Standards	20I0209-07	20I0209-08	20B0768-01	20E0617-01	20I0209-05	20K0801-01	20I0209-06	20H1216-01	20H1216-06	20I0209-14	20I0209-12
Sample Method		Peristaltic Pump	Peristaltic Pump	Bladder Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump
Sample Date		9/2/2020	9/2/2020	2/20/2020	5/19/2020	9/1/2020	11/17/2020	9/1/2020	8/30/2020	8/30/2020	9/3/2020	9/3/2020
Comments												
WQ												
Organic Carbon (total)		---	---	---	---	---	---	---	---	---	---	---
Nitrate	10000	---	---	---	---	---	---	---	---	---	---	---
Nitrite	1000	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250000	---	---	---	---	---	---	---	---	---	---	---
VOC												
Acetone	50	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	2.2 (1)	U (1)	U (1)	3.6 (1)	U (1)
Benzene	1	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
2-Butanone	50	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	10 (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Carbon Disulfide	60	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	0.47 J (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Chloroethane	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Chloroform	7	1.2 (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	1.4 (0.2)	U (0.2)	0.94 (0.2)
1,1-Dichloroethane	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
1,1-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
cis-1,2-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
trans-1,2-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Ethyl Benzene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
2-Hexanone	50	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
4-Methyl-2-pentanone		U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Tetrachloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Toluene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
1,1,1-Trichloroethane	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Trichloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
1,2,4-Trimethylbenzene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Vinyl Chloride	2	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
PDIST												
Ethane		---	---	---	---	---	---	---	---	---	---	---
Ethene		---	---	---	---	---	---	---	---	---	---	---
Methane		---	---	---	---	---	---	---	---	---	---	---
INORG (Dissolved)												
Iron		---	---	---	---	---	---	---	---	---	---	---

Notes:
1 All concentrations are presented in ug/L.
2 Only compounds with at least one detection are shown.
3 Concentrations that exceed the NY Fresh Groundwater (GA) Standards are **boldfaced**.

Abbreviations:
WQ -- Water Quality.
VOC -- Volatile Organic Compounds.
PDIST -- Petroleum Distillates.
INORG -- Inorganics.
U -- Not Detected.
J -- Estimated Concentration.
H -- Analyzed out of holding time.
( ) -- Detection Limit.
--- -- Not Analyzed.

TABLE 3
Summary of Groundwater Sampling Results
Former Rowe Industries Superfund Site
Sag Harbor, New York

Location		MW-98-01A	MW-98-01A	MW-98-01A	MW-98-01A	MW-98-04	MW-98-04	MW-98-04	MW-98-04
Field Sample ID		MW-98-01A-20200220	MW-98-01A-200520	MW98-01A-200901	MW98-01A-201118	MW-98-04-20200219	MW-98-04-200519	MW98-04-200830	MW98-04-201119
Lab Sample ID(s)	NY Fresh Groundwater (GA) Standards	20B0768-05	20E0644-02; 20E0644-02RE1	20I0209-03; 20I0209-03RE1	20K0801-06; 20K0801-06RE1	20B0740-02	20E0617-02	20H1216-02	20K0890-01; 20K0890-01RE1
Sample Method		Bladder Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Bladder Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump
Sample Date		2/20/2020	5/20/2020	9/1/2020	11/18/2020	2/19/2020	5/19/2020	8/30/2020	11/19/2020
Comments									
WQ									
Organic Carbon (total)		2160 (1000)	84300 (10000)	737000 (10000)	3030000 (500000)	---	---	---	---
Nitrate	10000	1170 (50)	1360 (50)	HU (50)	U (50)	---	---	---	---
Nitrite	1000	U (50)	U (50)	HU (50)	U (50)	---	---	---	---
Sulfate	250000	8890 (1000)	6380 (1000)	U (1000)	1580 (1000)	---	---	---	---
VOC									
Acetone	50	U (1)	3.7 (1)	**80 (1)**	32 (1)	U (1)	3.6 (1)	27 (1)	**90 (5)**
Benzene	1	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
2-Butanone	50	U (0.2)	**93 (0.2)**	**220 (1)**	**92 (2)**	U (0.2)	4 J (0.2)	25 (0.2)	5.3 (0.2)
Carbon Disulfide	60	U (0.2)	0.3 J (0.2)	0.85 (0.2)	0.32 J (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Chloroethane	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Chloroform	7	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
1,1-Dichloroethane	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
1,1-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
cis-1,2-Dichloroethene	5	U (0.2)	U (0.2)	1.9 (0.2)	0.4 J (0.2)	U (0.2)	4 (0.2)	0.28 J (0.2)	U (0.2)
trans-1,2-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Ethyl Benzene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
2-Hexanone	50	U (0.2)	U (0.2)	7.1 J (0.2)	7.3 (0.2)	U (0.2)	0.23 J (0.2)	1.6 (0.2)	U (0.2)
4-Methyl-2-pentanone		U (0.2)	U (0.2)	U (0.2)	0.71 (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Tetrachloroethene	5	4.1 (0.2)	2.2 (0.2)	**7 (0.2)**	**5.1 (0.2)**	U (0.2)	4.9 (0.2)	2.4 (0.2)	1.3 (0.2)
Toluene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	**65 (0.2)**	1.3 (0.2)
1,1,1-Trichloroethane	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Trichloroethene	5	U (0.2)	U (0.2)	0.49 J (0.2)	0.69 (0.2)	U (0.2)	0.24 J (0.2)	U (0.2)	U (0.2)
1,2,4-Trimethylbenzene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Vinyl Chloride	2	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
PDIST									
Ethane		U (10)	U (10)	U (10)	U (10)	---	---	---	---
Ethene		U (10)	U (10)	U (10)	U (10)	---	---	---	---
Methane		250 (10)	47 (10)	2100 (10)	1700 (10)	---	---	---	---
INORG (Dissolved)									
Iron		232 (10)	61000 (200)	297000 (13900)	203000 (250)	---	---	---	---

Notes:
1 All concentrations are presented in ug/L.
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Abbreviations:
WQ -- Water Quality.
VOC -- Volatile Organic Compounds.
PDIST -- Petroleum Distillates.
INORG -- Inorganics.
U -- Not Detected.
J -- Estimated Concentration.
H -- Analyzed out of holding time.
( ) -- Detection Limit.
--- -- Not Analyzed.

TABLE 3
Summary of Groundwater Sampling Results
Former Rowe Industries Superfund Site
Sag Harbor, New York

Location		MW-98-04B	MW-98-05AR	MW-98-05AR	MW-98-05AR	MW-98-05AR	MW-98-05AR	N-32	N-32B
Field Sample ID		MW98-04B-200830	W-98-05AR-20200219	MW-98-05AR-200519	DUP01-200519	MW98-05AR-200901	MW98-05A-201119	N32-200902	N32B-200902
Lab Sample ID(s)	NY Fresh Groundwater (GA) Standards	20H1216-03	20B0740-01	20E0617-03; 20E0617-03RE1	20E0617-05; 20E0617-05RE1	20I0209-04; 20I0209-04RE1	20K0890-03; 20K0890-03RE1	20I0209-10	20I0209-11
Sample Method		Peristaltic Pump	Bladder Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump
Sample Date		8/30/2020	2/19/2020	5/19/2020	5/19/2020	9/1/2020	11/19/2020	9/2/2020	9/2/2020
Comments					Field Duplicate				
WQ									
Organic Carbon (total)		---	2660 (1000)	220000 (10000)	492000 (10000)	856000 (10000)	6210000 (500000)	---	---
Nitrate	10000	---	649 (50)	HU (50)	HU (50)	HU (50)	U (50)	---	---
Nitrite	1000	---	U (50)	HU (50)	HU (50)	HU (50)	U (50)	---	---
Sulfate	250000	---	6840 (1000)	U (1000)	U (1000)	U (1000)	1230 (1000)	---	---
VOC									
Acetone	50	U (1)	U (1)	26 (1)	30 (1)	**120 (1)**	U (1)	U (1)	U (1)
Benzene	1	U (0.2)	U (0.2)	0.21 J (0.2)	0.22 J (0.2)	U (0.2)	0.41 J (0.2)	U (0.2)	U (0.2)
2-Butanone	50	U (0.2)	U (0.2)	**86 J (0.2)**	**72 (0.2)**	**270 (2)**	**930 (5)**	U (0.2)	U (0.2)
Carbon Disulfide	60	U (0.2)	U (0.2)	0.55 (0.2)	0.47 J (0.2)	U (0.2)	0.21 J (0.2)	U (0.2)	U (0.2)
Chloroethane	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Chloroform	7	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	0.33 J (0.2)	U (0.2)
1,1-Dichloroethane	5	U (0.2)	U (0.2)	2.3 (0.2)	2.3 (0.2)	0.37 J (0.2)	U (0.2)	U (0.2)	U (0.2)
1,1-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
cis-1,2-Dichloroethene	5	U (0.2)	1.4 (0.2)	**110 (0.2)**	**100 (0.2)**	**120 (0.2)**	**75 (0.2)**	U (0.2)	U (0.2)
trans-1,2-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Ethyl Benzene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
2-Hexanone	50	U (0.2)	U (0.2)	3.7 (0.2)	4.8 (0.2)	8.2 (0.2)	31 (0.2)	U (0.2)	U (0.2)
4-Methyl-2-pentanone		U (0.2)	U (0.2)	U (0.2)	U (0.2)	1.3 (0.2)	3 (0.2)	U (0.2)	U (0.2)
Tetrachloroethene	5	U (0.2)	**26 J (0.2)**	4.5 (0.2)	4.4 (0.2)	2.2 (0.2)	0.58 (0.2)	U (0.2)	U (0.2)
Toluene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	0.52 (0.2)	U (0.2)	U (0.2)
1,1,1-Trichloroethane	5	U (0.2)	3.5 (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Trichloroethene	5	U (0.2)	1.2 (0.2)	2.3 (0.2)	2.7 (0.2)	1.5 (0.2)	U (0.2)	U (0.2)	U (0.2)
1,2,4-Trimethylbenzene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Vinyl Chloride	2	U (0.2)	U (0.2)	**4.2 J (0.2)**	U (0.2)	**4.1 (0.2)**	**4.7 (0.2)**	U (0.2)	U (0.2)
PDIST									
Ethane		---	U (10)	U (10)	U (10)	U (100)	U (10)	---	---
Ethene		---	U (10)	U (10)	U (10)	U (100)	U (10)	---	---
Methane		---	250 (10)	750 (10)	740 (10)	20000 (100)	13000 (100)	---	---
INORG (Dissolved)									
Iron		---	465 (10)	122000 (200)	113000 (200)	438000 (13900)	598000 (250)	---	---

Notes:
1 All concentrations are presented in ug/L.
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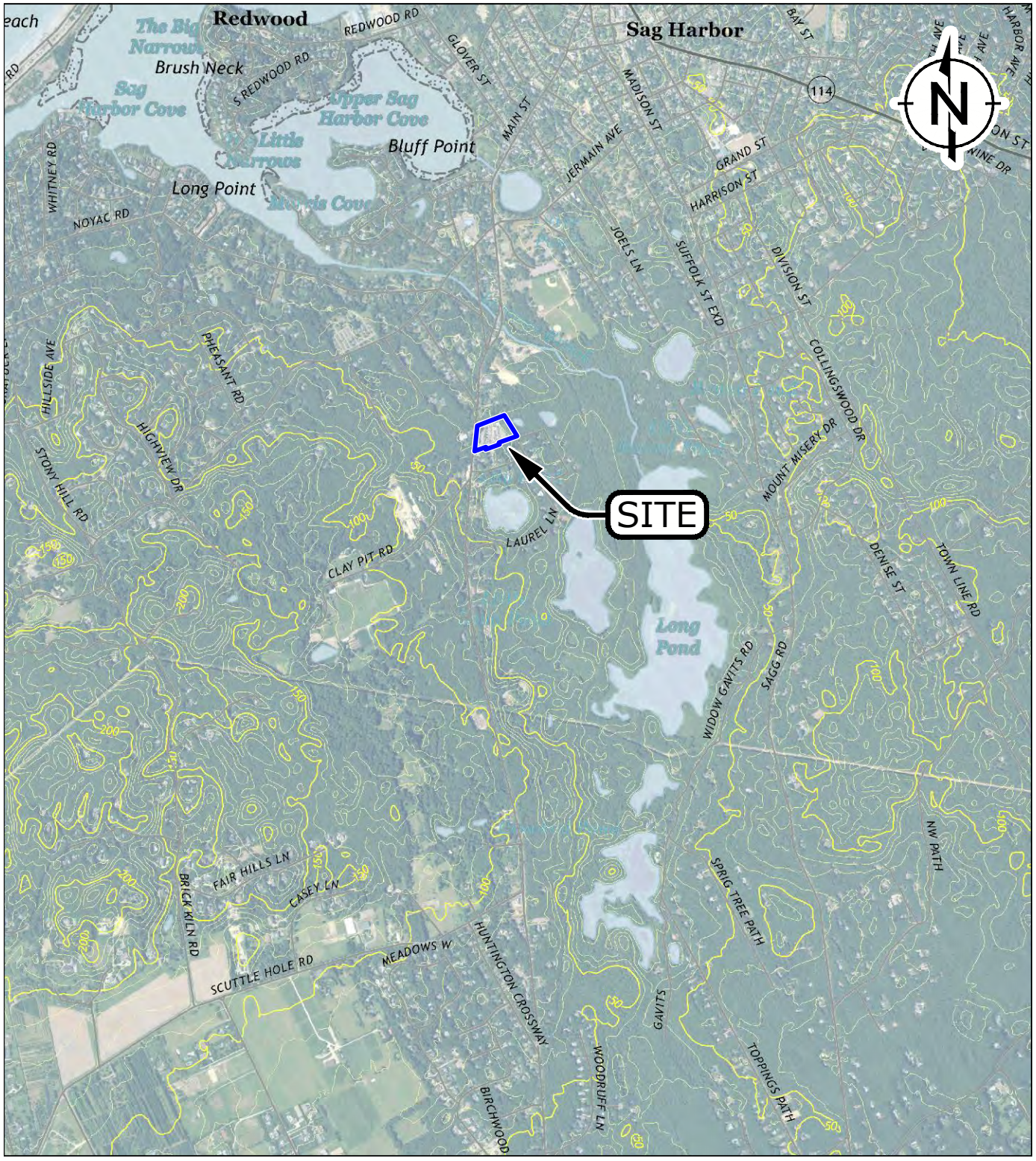
3 Concentrations that exceed the NY Fresh Groundwater (GA) Standards are **boldfaced**.

Abbreviations:
WQ -- Water Quality.
VOC -- Volatile Organic Compounds.
PDIST -- Petroleum Distillates.
INORG -- Inorganics.
U -- Not Detected.
J -- Estimated Concentration.
H -- Analyzed out of holding time.
( ) -- Detection Limit.
--- -- Not Analyzed.

FIGURES



CONTOUR INTERVAL 10 FEET

0 1/2 1 MILE

0 2000 4000 FEET

LEGEND:

PROPERTY BOUNDARY (APPROXIMATE)

QUADRANGLE LOCATION

SOURCE:
2019 USGS 7.5 Minute Series Sag Harbor, New York Topographic Quadrangle.
Site Location; N: 40.9831° W: 72.3008° WGS84

RAMBOLL

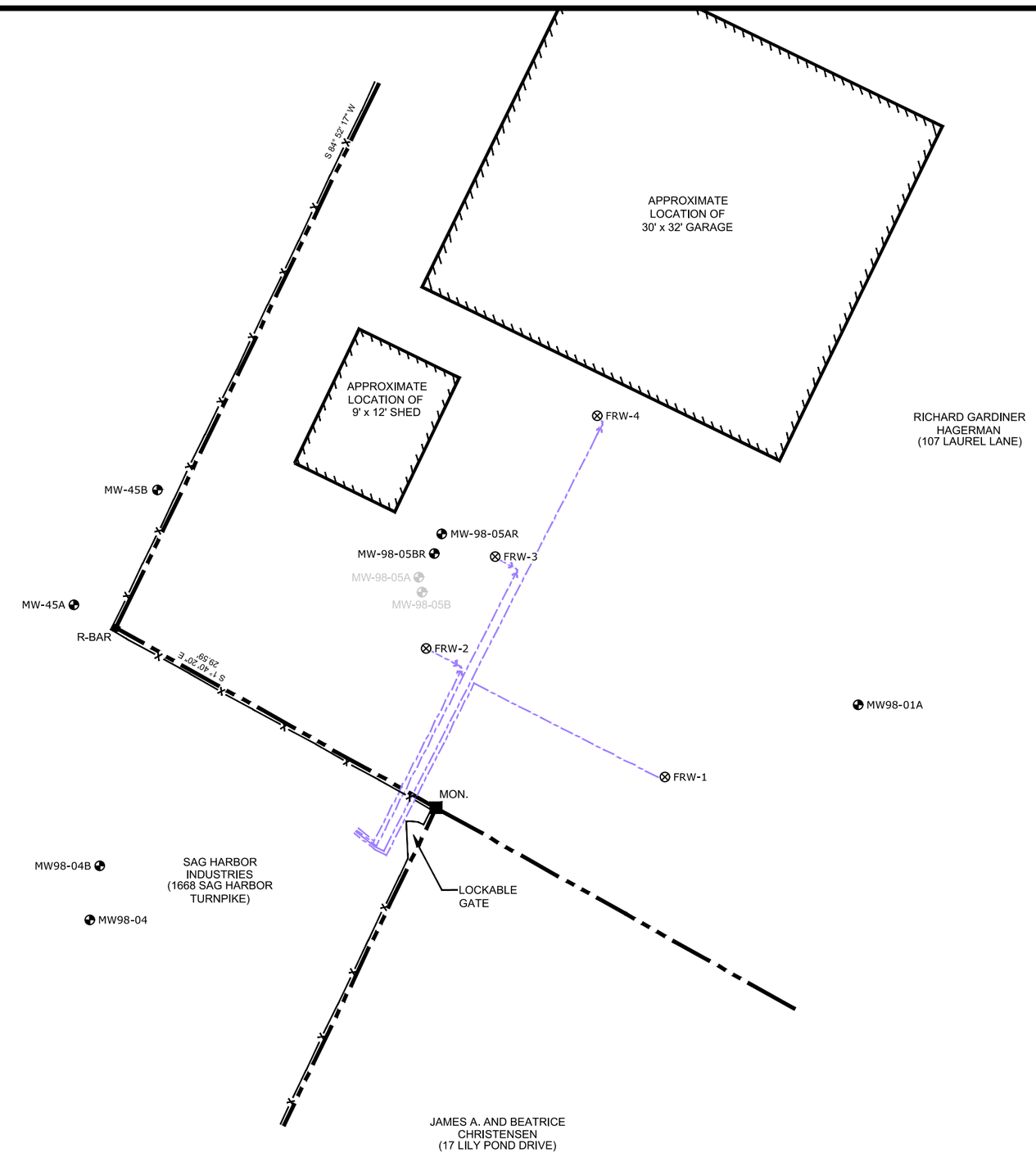
SITE LOCATION MAP

FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FIGURE 1

DRAFTED BY: HJW | DATE: 10/2/2020 | 1690016505

L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2020-10_Monitoring Report\01_Site Location Map.dwg



LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- APPROXIMATE LOCATION OF FOCUSED REMEDIATION GROUNDWATER RECOVERY PIPING
- FRW-3 — FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
- MW-98-04 — GROUNDWATER MONITOR WELL
- MW-98-05B — DAMAGED MONITOR WELL DECOMMISSIONED IN DECEMBER 2015

NOTE:

1. 'R' IN WELL DESIGNATION INDICATES REPLACEMENT WELL.

0 10

SCALE IN FEET

SOURCE: WSP USA, SEPTEMBER 2018 PCE PLUME MAP, 11/06/2018.

SITE LAYOUT
FORMER DRUM STORAGE AREA

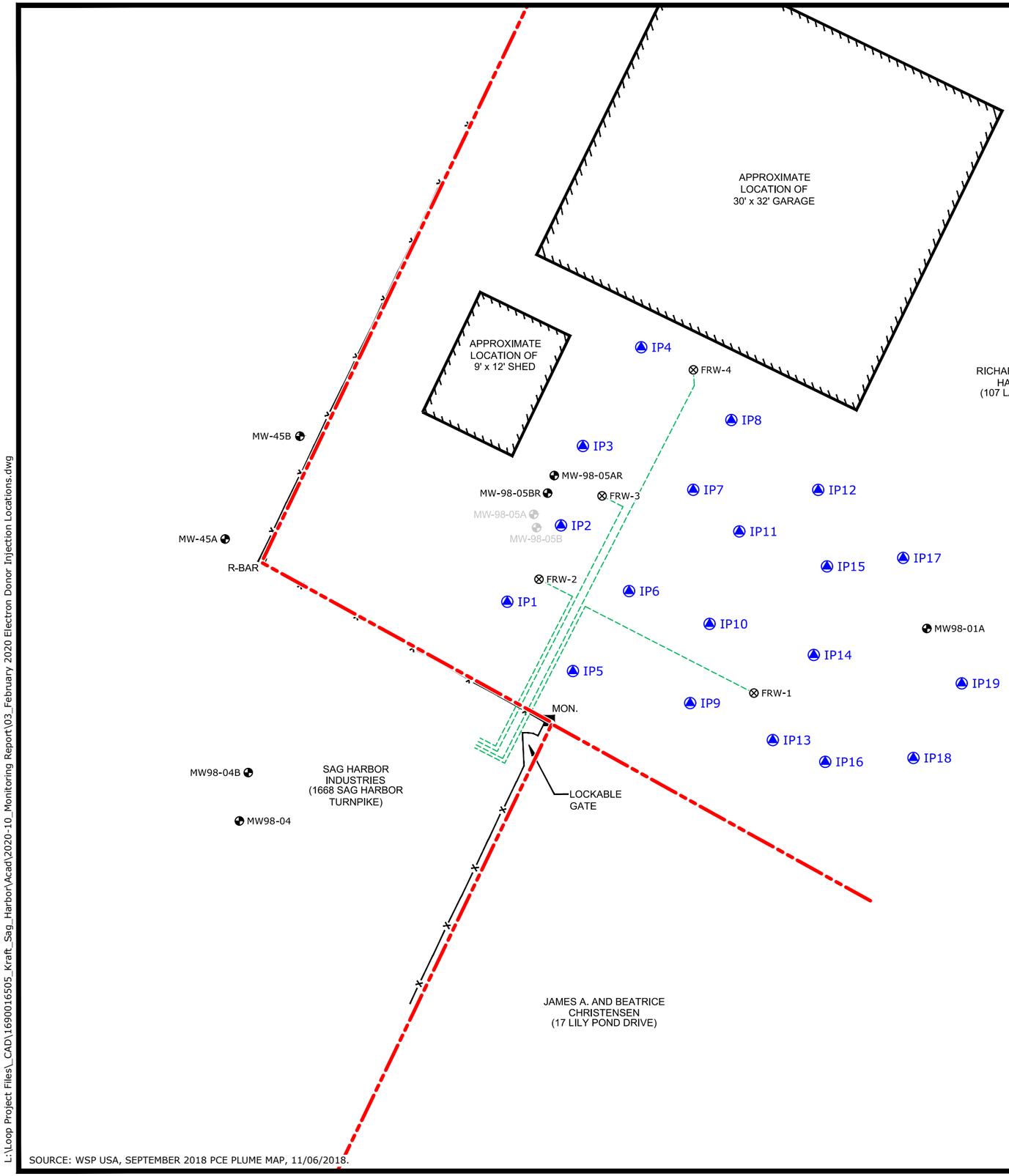
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

RAMBOLL

FIGURE 2

DRAFTED BY: HJW | DATE: 4/9/2020 | 1690016505

L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2020-04\02_Site Layout.dwg



LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- APPROXIMATE LOCATION OF FOCUSED REMEDIATION GROUNDWATER RECOVERY PIPING
- FRW-3 — FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
- MW-98-04 — GROUNDWATER MONITOR WELL
- MW-98-05B — DAMAGED MONITOR WELL DECOMMISSIONED IN DECEMBER 2015
- FEBRUARY 2020 INJECTION LOCATION

NOTE:

1. 'R' IN WELL DESIGNATION INDICATES REPLACEMENT WELL.

0 10
SCALE IN FEET

SOURCE: WSP USA, SEPTEMBER 2018 PCE PLUME MAP, 11/06/2018.

FEBRUARY 2020 ELECTRON DONOR INJECTION LOCATIONS

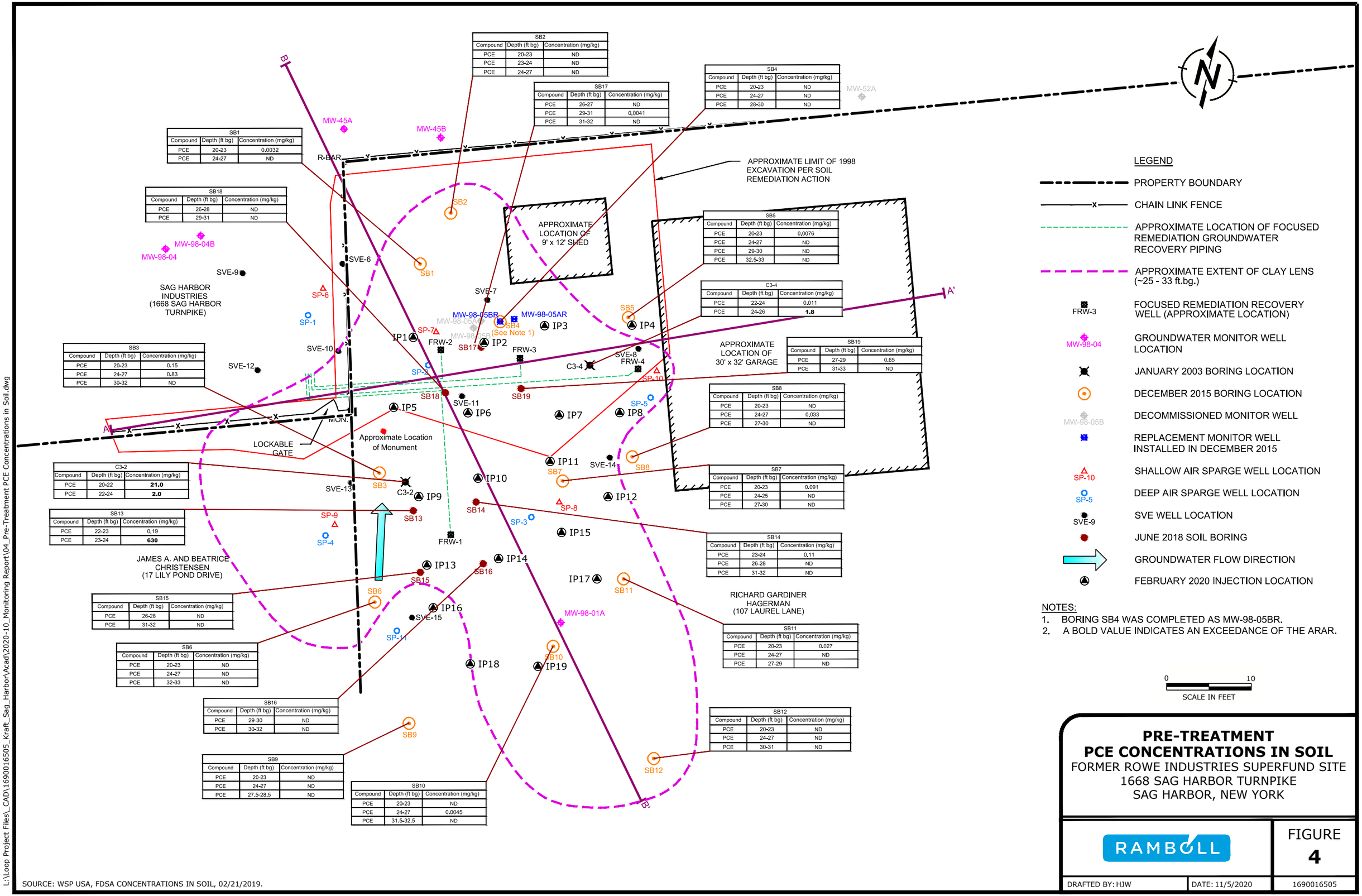
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

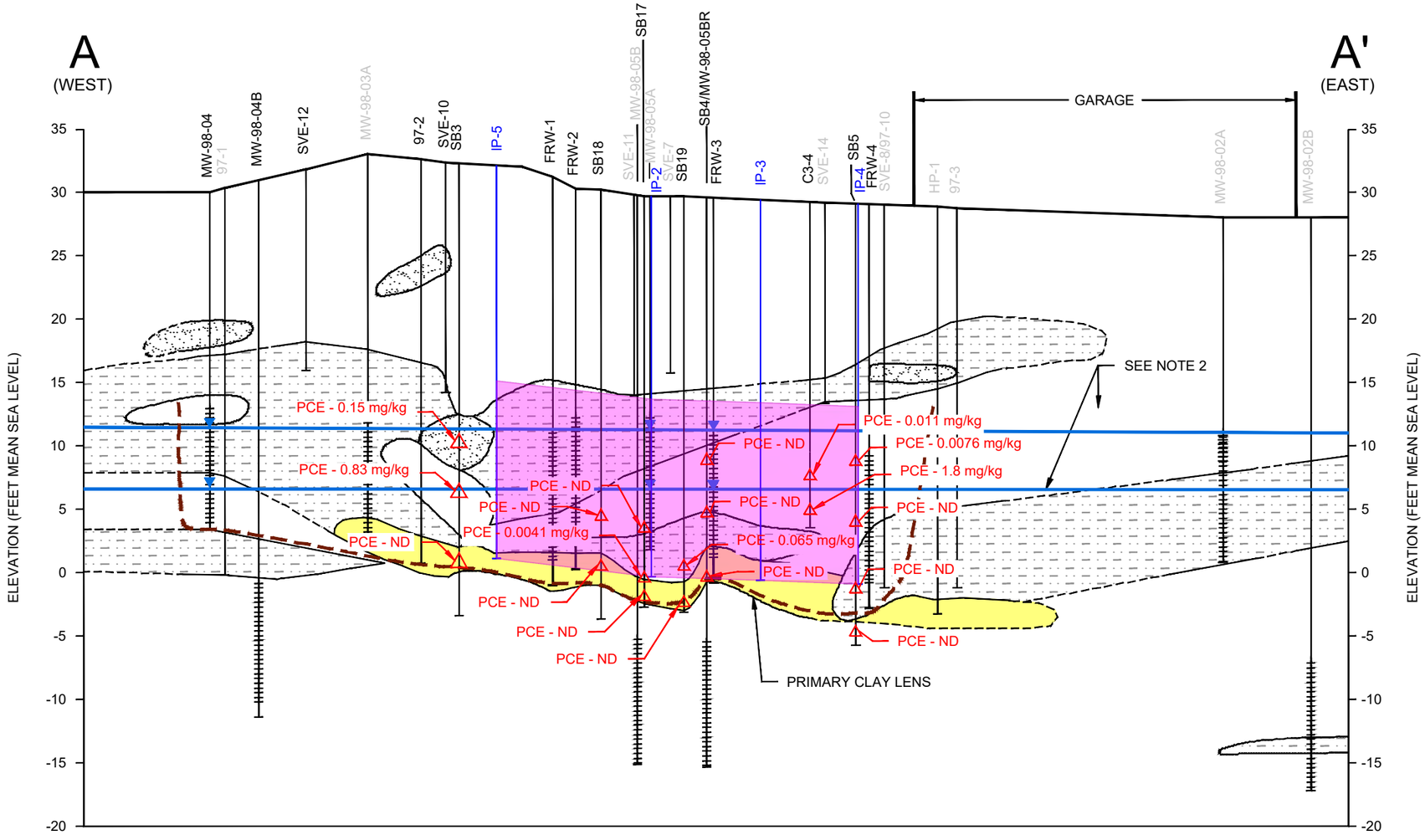
RAMBOLL

FIGURE 3

DRAFTED BY: HJW | DATE: 10/2/2020 | 1690016505

L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2020-10_Monitoring Report\03_February 2020 Electron Donor Injection Locations.dwg


SB2
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | ND
PCE | 23-24 | ND
PCE | 24-27 | ND
SB17
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 26-27 | ND
PCE | 29-31 | 0,0041
PCE | 31-32 | ND
SB4
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | ND
PCE | 24-27 | ND
PCE | 28-30 | ND
SB1
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | 0.0032
PCE | 24-27 | ND
SB18
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 26-28 | ND
PCE | 29-31 | ND
SB5
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | 0,0076
PCE | 24-27 | ND
PCE | 29-30 | ND
PCE | 32.5-33 | ND
C3-4
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 22-24 | 0,011
PCE | 24-26 | 1.8
SB3
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | 0,15
PCE | 24-27 | 0,83
PCE | 30-32 | ND
SB19
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 27-29 | 0,65
PCE | 31-33 | ND
SB8
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | ND
PCE | 24-27 | 0,033
PCE | 27-30 | ND
C3-2
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-22 | 21.0
PCE | 22-24 | 2.0
SB7
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | 0,091
PCE | 24-25 | ND
PCE | 27-30 | ND
SB13
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 22-23 | 0,19
PCE | 23-24 | 630
SB14
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 23-24 | 0,11
PCE | 26-28 | ND
PCE | 31-32 | ND
SB15
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 26-28 | ND
PCE | 31-32 | ND
SB11
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | 0,027
PCE | 24-27 | ND
PCE | 27-29 | ND
SB6
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | ND
PCE | 24-27 | ND
PCE | 32-33 | ND
SB16
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 29-30 | ND
PCE | 30-32 | ND
SB12
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | ND
PCE | 24-27 | ND
PCE | 30-31 | ND
SB9
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | ND
PCE | 24-27 | ND
PCE | 27,5-28,5 | ND
SB10
Compound | Depth (ft bg) | Concentration (mg/kg)
PCE | 20-23 | ND
PCE | 24-27 | 0.0045
PCE | 31.5-32.5 | ND
B
B'
A
A'
MW-45A
MW-45B
MW-52A
R-BAR
SB2
SB1
SVE-6
SVE-9
SVE-7
SVE-10
SVE-12
SVE-13
SVE-14
SVE-15
SVE-8
SP-6
SP-1
SP-7
SP-2
SP-10
SP-5
SP-9
SP-4
SP-3
SP-8
SP-11
MW-98-04B
MW-98-04
MW-98-05BR
MW-98-05AR
MW-98-05A
MW-98-05B
SB4
(See Note 1)
SB17
SB18
SB19
SB3
SB5
SB8
SB7
SB14
SB13
SB15
SB11
SB6
SB16
SB12
SB9
SB10
SB7
SB8
SB11
SB12
SB13
SB14
SB15
SB16
IP1
IP2
IP3
IP4
IP5
IP6
IP7
IP8
IP9
IP10
IP11
IP12
IP13
IP14
IP15
IP16
IP17
IP18
IP19
FRW-1
FRW-2
FRW-3
FRW-4
C3-4
C3-2
MON.
LOCKABLE GATE
Approximate Location of Monument
APPROXIMATE LIMIT OF 1998 EXCAVATION PER SOIL REMEDIATION ACTION
APPROXIMATE LOCATION OF 9' x 12' SHED
APPROXIMATE LOCATION OF 30' x 32' GARAGE
SAG HARBOR INDUSTRIES (1668 SAG HARBOR TURNPIKE)
JAMES A. AND BEATRICE CHRISTENSEN (17 LILY POND DRIVE)
RICHARD GARDINER HAGERMAN (107 LAUREL LANE)
MW-98-01A
N
LEGEND
PROPERTY BOUNDARY
CHAIN LINK FENCE
APPROXIMATE LOCATION OF FOCUSED REMEDIATION GROUNDWATER RECOVERY PIPING
APPROXIMATE EXTENT OF CLAY LENS (~25 - 33 ft.bg.)
FRW-3 FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
MW-98-04 GROUNDWATER MONITOR WELL LOCATION
JANUARY 2003 BORING LOCATION
DECEMBER 2015 BORING LOCATION
MW-98-05B DECOMMISSIONED MONITOR WELL
REPLACEMENT MONITOR WELL INSTALLED IN DECEMBER 2015
SP-10 SHALLOW AIR SPARGE WELL LOCATION
SP-5 DEEP AIR SPARGE WELL LOCATION
SVE-9 SVE WELL LOCATION
JUNE 2018 SOIL BORING
GROUNDWATER FLOW DIRECTION
FEBRUARY 2020 INJECTION LOCATION
NOTES:
1. BORING SB4 WAS COMPLETED AS MW-98-05BR.
2. A BOLD VALUE INDICATES AN EXCEEDANCE OF THE ARAR.
0
10
SCALE IN FEET
PRE-TREATMENT
PCE CONCENTRATIONS IN SOIL
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK
RAMBOLL
FIGURE
4
DRAFTED BY: HJW
DATE: 11/5/2020
1690016505
SOURCE: WSP USA, FDSA CONCENTRATIONS IN SOIL, 02/21/2019.
L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2020-10_Monitoring Report\04_Pre-Treatment PCE Concentrations in Soil.dwg



LEGEND

- WATER TABLE ELEVATION
- SCREEN SETTING
- DEPTH OF BORING
- FINE TO COARSE SAND
- FINE TO COARSE SAND AND SILTY CLAY
- FINE SAND AND SILT
- SILT AND CLAY
- MW-98-03A — UNLOCATED OR DECOMMISSIONED MONITOR WELL, NOT USED IN DETERMINING GROUNDWATER ELEVATION, ONLY GEOLOGY
- ESTIMATED GEOLOGIC BOUNDARY
- FEBRUARY 2020 INJECTION LOCATION
- APPROXIMATE BOUNDARY WHERE PCE CONCENTRATIONS IN THE GROUNDWATER EXCEED THE ARAR AT LEAST PART OF THE TIME
- △ SATURATED SOIL SAMPLE LOCATION
- INJECTION INTERVAL

NOTES:
1. HORIZONTAL CROSS SECTION LINES ARE DEPICTED ON FIGURE 5.
2. LOW AND HIGH GROUNDWATER ELEVATIONS SHOWN ARE FOR RECORDED WATER ELEVATION DATA FROM 2003 TO 2018 AND RANGE FROM APPROXIMATELY 6.1 FT TO 11 FT ABOVE MEAN SEA LEVEL.
3. BOLD VALUE INDICATES AN EXCEEDANCE OF THE ARAR.

0 10 HORIZONTAL SCALE IN FEET

0 10 VERTICAL SCALE IN FEET

SOURCE: WSP USA, FDSA CROSS-SECTION A-A', 02/21/2019.

GEOLOGIC CROSS-SECTION A-A'

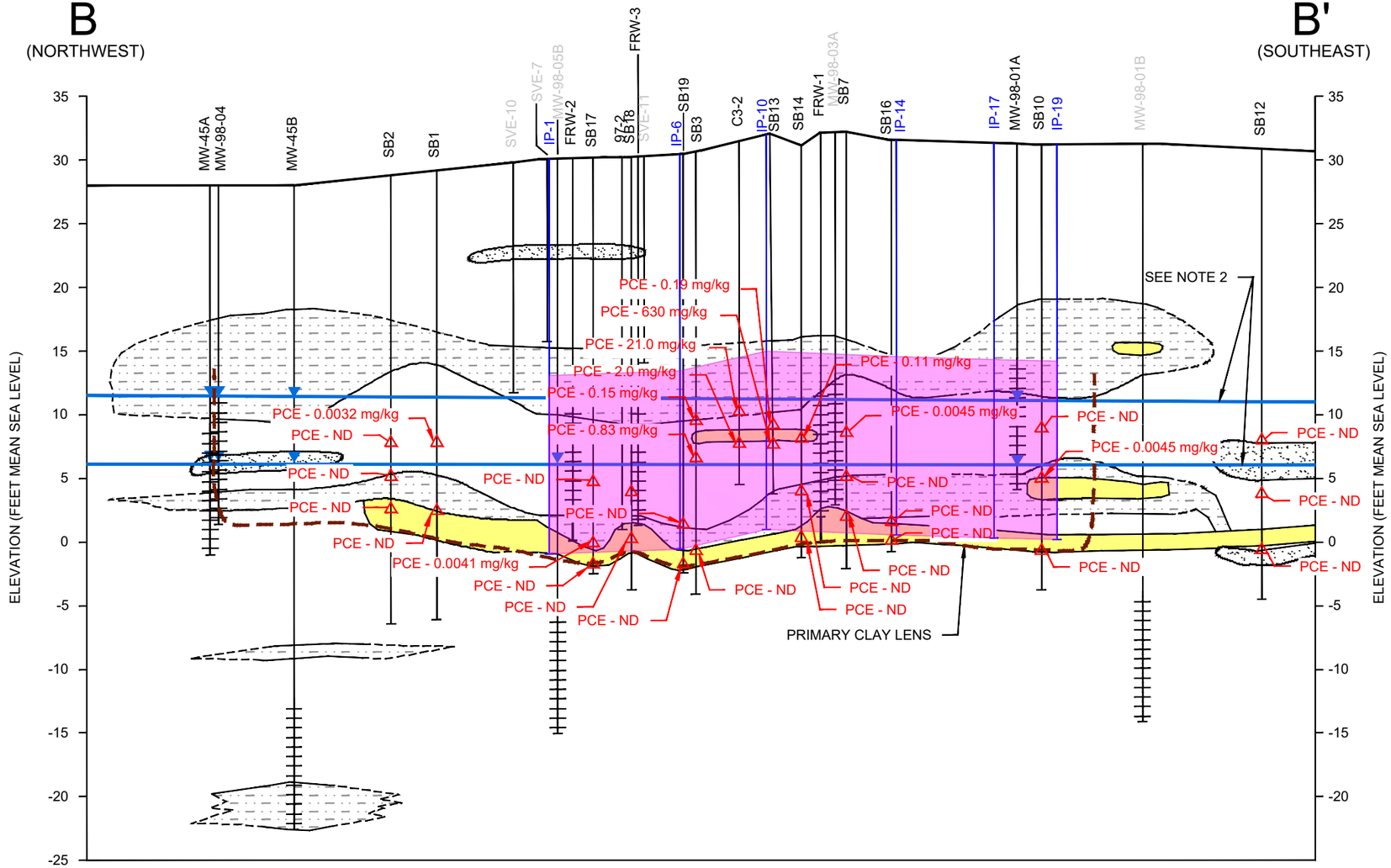
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

RAMBOLL

FIGURE 5

DRAFTED BY: HJW | DATE: 4/10/2020 | 1690016505

L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2020-04\06_Cross-Section A-A'.dwg



LEGEND

- WATER TABLE ELEVATION
- SCREEN SETTING
- DEPTH OF BORING
- FINE TO COARSE SAND
- FINE TO COARSE SAND AND SILTY CLAY
- FINE SAND AND SILT
- SILT AND CLAY
- MW-98-03A — UNLOCATED OR DECOMMISSIONED MONITOR WELL, NOT USED IN DETERMINING GROUNDWATER ELEVATION, ONLY GEOLOGY
- ESTIMATED GEOLOGIC BOUNDARY
- FEBRUARY 2020 INJECTION LOCATION
- APPROXIMATE BOUNDARY WHERE PCE CONCENTRATIONS IN THE GROUNDWATER EXCEED THE ARAR AT LEAST PART OF THE TIME
- △ SATURATED SOIL SAMPLE LOCATION
- INJECTION INTERVAL

NOTES:
1. HORIZONTAL CROSS SECTION LINES ARE DEPICTED ON FIGURE 5.
2. LOW AND HIGH GROUNDWATER ELEVATIONS SHOWN ARE FOR RECORDED WATER ELEVATION DATA FROM 2003 TO 2018 AND RANGE FROM APPROXIMATELY 6.1 FT TO 11 FT ABOVE MEAN SEA LEVEL.
3. BOLD VALUE INDICATES AN EXCEEDANCE OF THE ARAR.

SOURCE: WSP USA, FDSA CROSS-SECTION B-B', 12/19/2018.

0 10 HORIZONTAL SCALE IN FEET

0 10 VERTICAL SCALE IN FEET

GEOLOGIC CROSS-SECTION B-B'

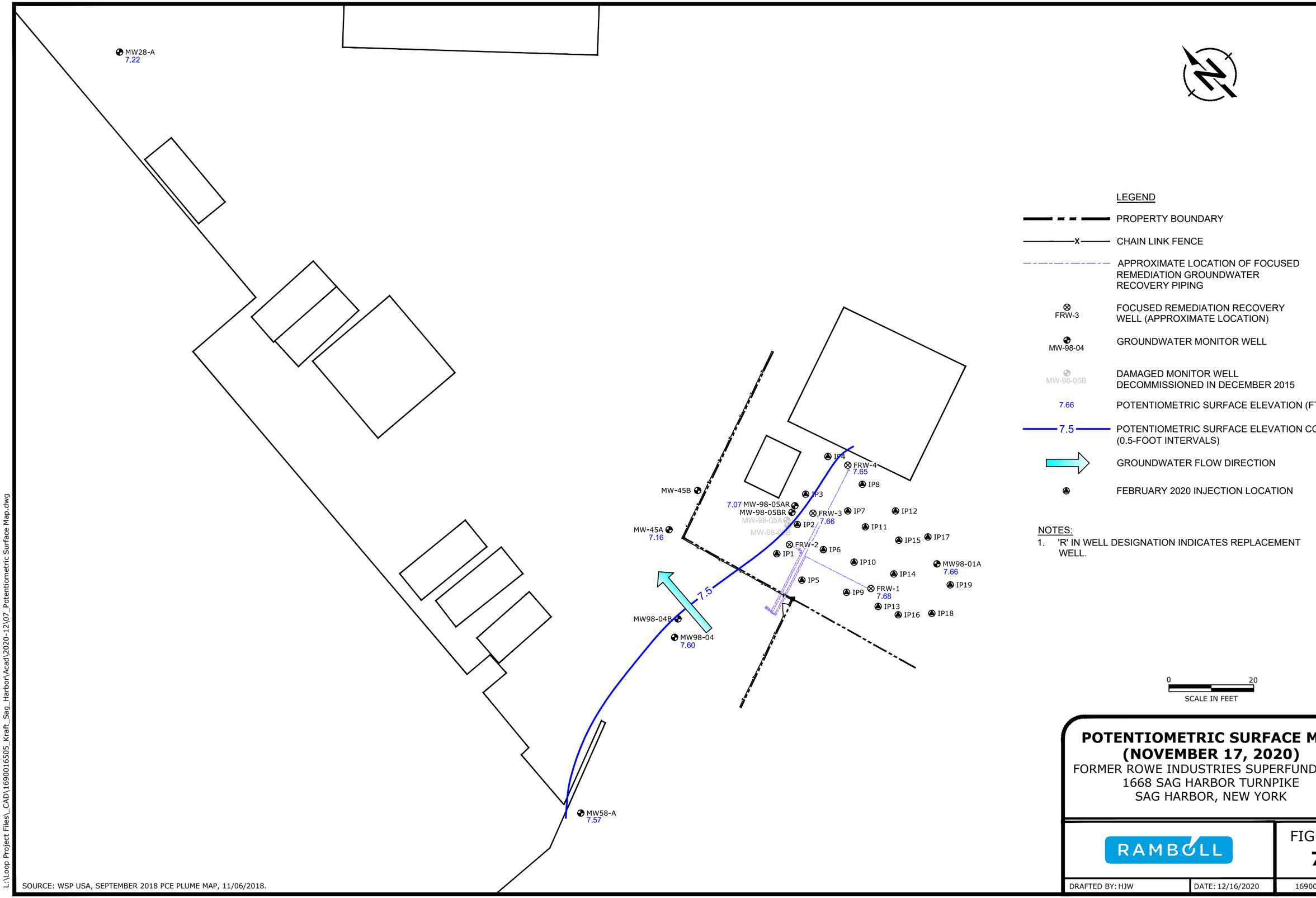
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

RAMBOLL

FIGURE 6

DRAFTED BY: HJW | DATE: 4/10/2020 | 1690016505

L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2020-04\07_Cross-Section B-B'.dwg



SOURCE: WSP USA, SEPTEMBER 2018 PCE PLUME MAP, 11/06/2018.

L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2020-12\07_Potentiometric Surface Map.dwg

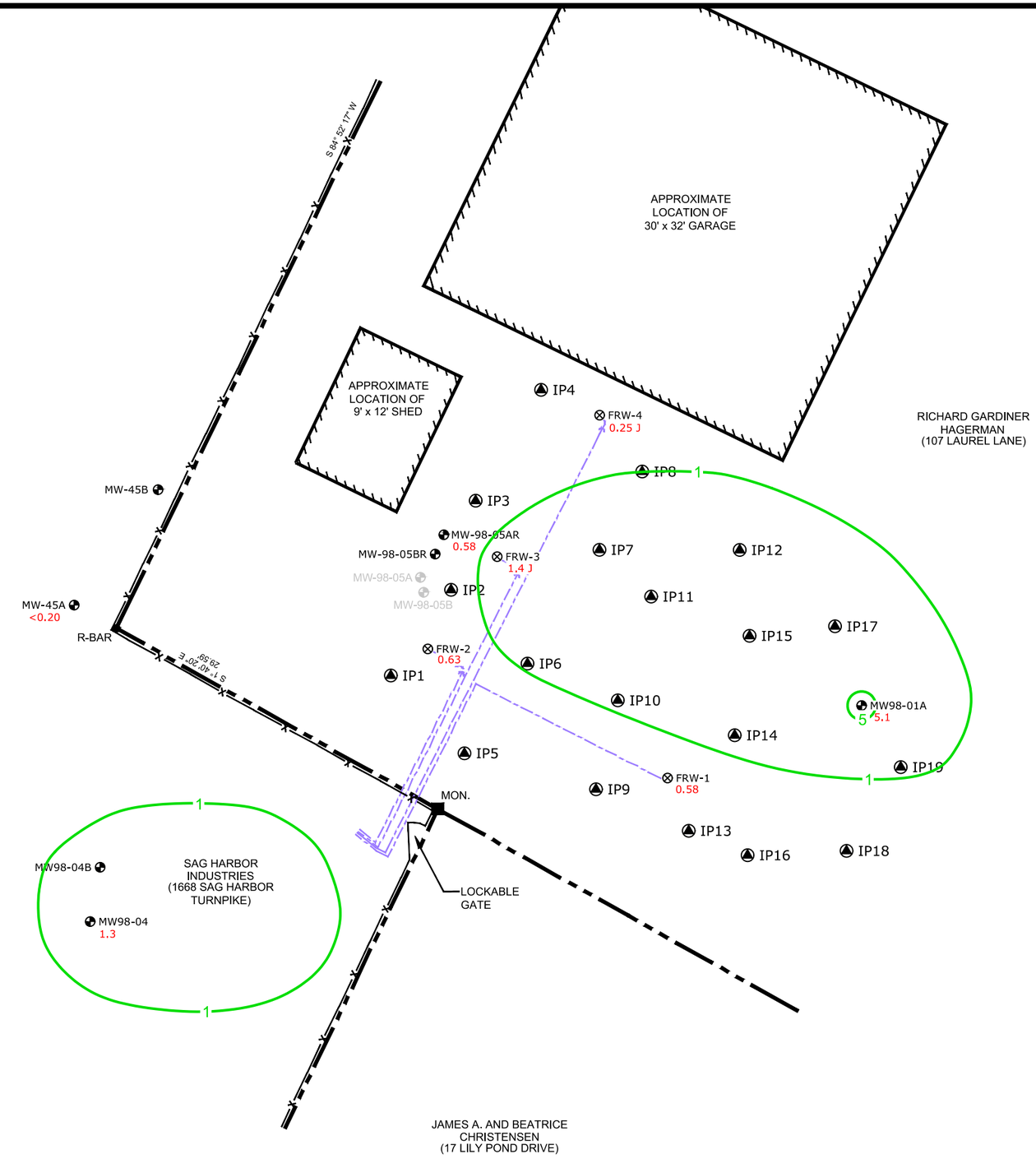
POTENTIOMETRIC SURFACE MAP (NOVEMBER 17, 2020)

FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

RAMBOLL

FIGURE 7

DRAFTED BY: HJW	DATE: 12/16/2020	1690016505



LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- APPROXIMATE LOCATION OF FOCUSED REMEDIATION GROUNDWATER RECOVERY PIPING
- FRW-3 — FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
- MW-98-04 — GROUNDWATER MONITOR WELL
- 5.1 — PCE CONCENTRATION (µg/L)
- NS — NOT SAMPLED
- MW-98-05B — DAMAGED MONITOR WELL DECOMMISSIONED IN DECEMBER 2015
- 5 — PCE CONCENTRATION CONTOURS (µg/L)
- FEBRUARY 2020 INJECTION LOCATION

NOTES:

1. J = ESTIMATED CONCENTRATION AT OR ABOVE THE LEVEL OF DETECTION AND BELOW THE LEVEL OF QUANTIFICATION
2. 'R' IN WELL DESIGNATION INDICATES REPLACEMENT WELL.

0 10
SCALE IN FEET

SOURCE: WSP USA, SEPTEMBER 2018 PCE PLUME MAP, 11/06/2018.

PCE CONCENTRATIONS IN GROUNDWATER (NOVEMBER 17-19, 2020)

FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

RAMBOLL

FIGURE 8

DRAFTED BY: HJW | DATE: 12/17/2020 | 1690016505

L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2020-12\08_PCE Concentrations in GW.dwg

APPENDIX A

GROUNDWATER FIELD SAMPLING LOGS

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - MW-45A

Site
Location

Sampling Information

Date (MM/DD/YY) - 11/17/2020
Personnel - RA Sweet
Weather - Overcast 40°F
Sampling Device - Geopump peristaltic

Pump Controller - NA
Refill - _____ sec
Discharge - _____ sec
Pressure - _____ psi

Well Information

Well Vault PID - _____ ppb ppm
Well Casing PID - 2.9 ppb
Well Diameter - 2" Inches

Measured Depth to Bottom - 28.88 ft BTOC
Screened Zone - _____ ft BGS
Depth to Pump Intake - 27 ft BGS
Pre-Pump (Static) Depth to Water - 20.28 ft BTOC
Post-Pump Depth to Water - _____ ft BTOC

Well Evacuation Data

Stabilization Criteria ± 0.1 SU ± 3 % ± 10 % ± 3 % ± 10 mV ± 10 % 0.3 ft

Time	Vol.	Rate mL/min	pH SU	Cond. ms/cm	Turb. NTU	Temp. C	ORP mV	DO mg/L	DTW ft	Appearance or Comments
1030	-									clear
1035		250	5.56	0.231	34.8	12.75	253	1.27	20.28	
1040		250	5.69	0.227	45.5	12.45	221	1.20	20.28	
1045		250	5.73	0.224	32.0	13.19	197	1.11	20.28	
1050		250	5.71	0.223	22.2	13.32	188	1.05	20.28	clear
1055		250	5.74	0.223	15.6	13.32	179	1.00	20.28	
1100		250	5.69	0.220	10.9	13.37	163	0.90	20.28	clear
1105		250	5.75	0.222	11.1	13.38	161	0.84	20.28	
1110		250	5.75	0.220	10.5	13.38	161	0.81	20.28	
1115		250	5.75	0.220	10.6	13.38	160	0.80	20.28	clear
0:00	SAMPLE	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Sample ID - MW45A-20117
Sample Time - 1120

Notes / Sample Information

Appearance at Start - _____
Appearance After Purging - _____
Approx. Total Volume Purged - _____ liters
Purge Rate - _____ mL/min

Additional Sample - _____
Additional Sample ID - _____
DTW After Purging - _____ ft bTOC
DTW at Time of Sampling - _____ ft bTOC
Fe^{2+} (kit) _____ mg/L

Analytes - ~~TAL Metals (dissolved); Alkalinity; Chloride; Chemical Oxygen Demand; Total Dissolved Solids (TDS); Hardness; Nitrogen and Sulfate~~
VOC 8260B

Notes _____

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - FRW-3

Site

Location

Sampling Information

Date (MM/DD/YY) - 11/17/20

Personnel - M Brown

Weather - Sunny, light rain 30's

Sampling Device - Geo pump peristaltic

Pump Controller - NA

Refill - ____ sec

Discharge - ____ sec

Pressure - ____ psi

Well Information

Well Vault PID - ____ ppb

Well Casing PID - 11.2 ppb

Well Diameter - 4" Inches

Measured Depth to Bottom - 28.95 ft BTOC

Screened Zone - ____ ft BGS

Depth to Pump Intake - 27.00 ft BGS

Pre-Pump (Static) Depth to Water - 21.76 ft BTOC

Post-Pump Depth to Water - ____ ft BTOC

Well Evacuation Data

Stabilization Criteria ± 0.1 SU ± 3 % ± 10 % ± 3 % ± 10 mV ± 10 % 0

Time	Vol. L	Rate mL/min	pH Std	Cond. mS/cm	Turb. NTU	Temp. C	ORP mV	DO mg/L	DTW ft	Appearance or Comments
1300	-	200							22.00	
1305		200	6.35	4.97	310	11.52	-37	0.55	22.76	oily sheen
1310		200	6.52	4.75	920	12.06	-66	0.40		
1315		200	6.64	4.68	221	12.20	-67	0.42	23.42	
1320		200	6.75	4.55	212	12.34	-84	0.38	23.80	oily
1325		200	6.84	4.39	188	12.33	-96	0.36	23.82	
1330		200	6.92	4.16	180	12.15	-108	0.33		
1335		200	6.92	4.14	160	12.13	-108	0.33	24.8	
1340		150	6.85	4.13	122	11.96	-103	0.33	25.1	oily
1345		100	6.83	4.12	102	11.92	-101	0.33		
1350		100	6.78	4.16	83.2	11.81	-97	0.32		
1355		100	6.77	4.18	109	11.79	-96	0.33	25.35	
1400		100	6.76	4.17	93.4	11.78	-95	0.33		
1405		100	6.76	4.16	89.0	11.76	-94	0.33		
1410		100	6.75	4.15	86.5	11.76	-93	0.33	25.38	oily
1415		100	6.74	4.14	87.5	11.73	-92	0.32		
0:00	SAMPLE	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Notes / Sample Information

Sample ID - FRW03-201117

Sample Time - 1420

Appearance at Start - oily

Appearance After Purging - oily

Additional Sample - ____

Additional Sample ID - ____

Approx. Total Volume Purged - ____ liters

Purge Rate - ____ mL/min

DTW After Purging - ____ ft bTOC

DTW at Time of Sampling - ____ ft bTOC

Fe^{2+} (kit) ____ mg/L

Analyses - ~~Dissolved Metals (dissolved); Alkalinity; Chloride, Chemical Oxygen Demand; Total Dissolved Solids (TDS); Hardness; Nitrogen and Sulfate~~ 8260B, 300, 8015, 6010B/200.7, 353.2, TOC

Notes DUP01-201117 @ ~~13:00~~ @ 1420, water is oily with sediment and ZVI like clusters tubing clogs

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - MW 98-01A

Site
Location

Sampling Information

Date (MM/DD/YY) - 11/18/20
Personnel - A. Smith
Weather - clear 30-40°F
Sampling Device - Geopump peristaltic

Pump Controller - _____
Refill - _____ sec
Discharge - _____ sec
Pressure - _____ psi

Well Information

Well Vault PID - _____ ppb
Well Casing PID - _____ ppb
Well Diameter - _____ inches

Measured Depth to Bottom - _____ ft BTOC
Screened Zone - _____ ft BGS
Depth to Pump Intake - _____ ft BGS
Pre-Pump (Static) Depth to Water - 22.82 ft BTOC
Post-Pump Depth to Water - _____ ft BTOC

Well Evacuation Data

Stabilization Criteria			± 0.1 SU	± 3 %	± 10 %	± 3 %	± 10 mV	± 10 %	0.3 ft	
Time	**Vol.** L	**Rate** mL/min	**pH** Std	**Cond.** ms/cm	**Turb.** NTU	**Temp.** C	**ORP** mV	**DO** mg/L	**DTW** ft	**Appearance or Comments**
0900	-	250							24.04	
0905		150	7.04	1.51	64.0	7.95	+14	0.74	24.68	clear
0910		150	6.87	1.27	18.1	7.92	-6	0.68	24.85	
0915		150	6.85	1.26	14.9	7.94	-4	0.68		
0920		150	6.77	1.21	6.9	7.97	0	0.66	24.94	
0925		150	6.61	1.12	6.0	8.05	6	0.81	25.04	clear
0930		100	6.61	1.04	0.0	8.16	11	0.82	24.84	
0935		100	6.36	1.03	6.0	8.11	23	0.82	24.64	
0940		100	6.33	1.02	0.0	8.10	24	0.67	24.54	
0945		100	6.42	0.982	0.0	8.13	18	0.71	24.50	
0950		100	6.44	0.967	0.0	8.16	16	0.75	24.50	
0955		100	6.46	0.944	0.0	8.23	16	0.74	24.50	
1000		100	6.45	0.941	0.0	8.24	16	0.74		
1005		100	6.45	0.940	0.0	8.24	16	0.75	24.51	
1010		100	6.44	0.939	0.0	8.25	16	0.75	24.50	
0:00	**SAMPLE**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Sample ID - MW98-01A-201118
Sample Time - 1015

Notes / Sample Information

Appearance at Start - _____
Appearance After Purging - _____
Approx. Total Volume Purged - _____ liters
Purge Rate - _____ mL/min

Additional Sample - _____
Additional Sample ID - _____
DTW After Purging - _____ ft bTOC
DTW at Time of Sampling - _____ ft bTOC
Fe^{2+} (kit) _____ mg/L

Analyses - ~~TAL Metals (dissolved), Alkalinity, Chloride, Chemical Oxygen Demand, Total Dissolved Solids (TDS), Hardness, Nitrogen and Sulfate~~
8260B, 300, 8015, 6010B/200.7, 7196 353.2

Notes _____

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - FRW-1

Site
Location

Sampling Information

Date (MM/DD/YY) - 11/18/20
Personnel - BA Street
Weather - Clear 20-40°F
Sampling Device - Geopump peristaltic

Pump Controller - NA
Refill - _____ sec
Discharge - _____ sec
Pressure - _____ psi

Well Information

Well Vault PID - _____ ppb
Well Casing PID - _____ ppb
Well Diameter - 4" inches

Measured Depth to Bottom - _____ ft BTOC
Screened Zone - _____ ft BGS
Depth to Pump Intake - _____ ft BGS
Pre-Pump (Static) Depth to Water - 23.32 ft BTOC
Post-Pump Depth to Water - _____ ft BTOC

Well Evacuation Data

Stabilization Criteria			± 0.1 SU	± 3 %	± 10 %	± 3 %	± 10 mV	± 10 %	0.3 ft	
Time	**Vol.** L	**Rate** mL/min	**pH** Std	**Cond.** ms/cm	**Turb.** NTU	**Temp.** C	**ORP** mV	**DO** mg/L	**DTW** ft	**Appearance or Comments**
1100	-	250	-							
1105		250	7.36	2.06	98.1	8.72	-72	0.61	24.00	
1110		200	7.50	2.22	79.9	8.08	-97	0.48	24.25	
1115		150	7.53	2.23	78.1	8.00	-102	0.46		
1120		150	7.56	2.24	73.3	7.96	-108	0.44		
1125		150	7.62	2.18	64.6	8.33	-122	0.36	25.10	
1130		150	7.63	2.16	65.1	8.57	-123	0.35		
1135		150	7.65	2.10	58.1	9.09	-128	0.32	25.71	
1140		150	7.65	2.10	57.9	9.06	-128	0.32		
1145		150	7.65	2.10	57.7	9.07	-128	0.31		
1150		150	7.65	2.09	57.9	9.11	-128	0.31	25.76	
0:00	*SAMPLE*	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Sample ID - FRW1-201118
Sample Time - 1155

Notes / Sample Information

Appearance at Start - _____
Appearance After Purging - _____
Approx. Total Volume Purged - _____ liters
Purge Rate - _____ mL/min

Additional Sample - _____
Additional Sample ID - _____
DTW After Purging - _____ ft bTOC
DTW at Time of Sampling - _____ ft bTOC
Fe^{2+} (kit) _____ mg/L

Analyses - ~~TAL Metals (dissolved); Alkalinity; Chloride; Chemical Oxygen Demand; Total Disolved Solids (TDS); Hardness; Nitrogen and Sulfate~~
8260B, 300, 8015, 6010B/200.7, TOC, 353.2

Notes _____

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - FRW-4

Site
Location

Sampling Information

Date (MM/DD/YY) - 11/18/20
Personnel - MH, Sweet
Weather - Clear 30-40°F
Sampling Device - Geopump peristaltic

Pump Controller - NA
Refill - / sec
Discharge - / sec
Pressure - / psi

Well Information

Well Vault PID - ____ ppb
Well Casing PID - 0.1 ppb
Well Diameter - 4" Inches

Measured Depth to Bottom - 33.03 ft BTOC
Screened Zone - ____ ft BGS
Depth to Pump Intake - 31 ft BGS
Pre-Pump (Static) Depth to Water - 21.07 ft BTOC
Post-Pump Depth to Water - ____ ft BTOC

Well Evacuation Data

Stabilization Criteria ± 0.1 SU ± 3 % ± 10 % ± 3 % ± 10 mV ± 10 % 0.3 ft

Time	Vol. L	Rate mL/min	pH Std	Cond. ms/cm	Turb. NTU	Temp. C	ORP mV	DO mg/L	DTW ft	Appearance or Comments
1355	-	250							21.50	
1400		250	7.15	2.73	42.6	8.52	-64	0.44	21.78	
1405		250	7.40	1.95	30.6	9.22	-92	0.35	22.02	
1410		200	7.51	1.54	24.5	9.48	-103	0.34	22.20	
1415		150	7.61	1.14	17.9	9.74	-114	0.31	-	
1420		150	7.60	1.14	18.9	9.73	-115	0.31	22.50	
1425		150	7.61	1.13	18.4	9.73	-115	0.30		
1430		150	7.62	1.10	27.3	9.66	-116	0.30		
1435		150	7.62	1.07	35.3	9.48	-116	0.31	22.57	
1440		150	7.62	1.07	32.0	9.37	-115	0.30		
1445		150	7.62	1.07	33.8	9.36	-115	0.30		
1450		150	7.62	1.07	35.0	9.34	-115	0.30	22.46	
0:00	SAMPLE	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Sample ID - FRW4-201118
Sample Time - 1455

Notes / Sample Information

Appearance at Start - ____
Appearance After Purging - ____
Approx. Total Volume Purged - ____ liters
Purge Rate - ____ mL/min

Additional Sample - ____
Additional Sample ID - ____

DTW After Purging - ____ ft bTOC
DTW at Time of Sampling - ____ ft bTOC
Fe^{2+} (kit) ____ mg/L

Analyses - ~~TAL Metals (dissolved); Alkalinity; Chloride; Chemical Oxygen Demand; Total Dissolved Solids (TDS); Hardness; Nitrogen and Sulfate~~
8260B, 300, 8015, 6010B/200.7, TOC, 353.2

Notes ____

AMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - MW 98 04A

Site
Location

Sampling Information

Date (MM/DD/YY) - 11/19/20
Personnel - M Sweet
Weather - Partly cloudy 20-40°F
Sampling Device - Geopump peristaltic

Pump Controller - GA
Refill - / sec
Discharge - / sec
Pressure - / psi

Well Information

Well Vault PID - ~~ppb~~
Well Casing PID - 0.1 ~~ppb~~
Well Diameter - 2" Inches

Measured Depth to Bottom - ft BTOC
Screened Zone - ft BGS
Depth to Pump Intake - ft BGS
Pre-Pump (Static) Depth to Water - ft BTOC
Post-Pump Depth to Water - ft BTOC

Well Evacuation Data

Stabilization Criteria			± 0.1 SU	± 3 %	± 10 %	± 3 %	± 10 mV	± 10 %	0.3 ft	
Time	**Vol.** L	**Rate** mL/min	**pH** Std	**Cond.** ms/cm	**Turb.** NTU	**Temp.** C	**ORP** mV	**DO** mg/L	**DTW** ft	**Appearance or Comments**
0840	-									
0840		300								purge
0845		200	5.34	0.371	3.7	13.26	262	1.83	20.50	clear
0850		200	5.38	0.374	3.5	13.23	262	1.81	20.46	
0855		200	5.40	0.340	1.0	13.07	264	1.68	20.46	
0900		200	5.42	0.338	0.5	13.04	263	1.69	20.5	
0905		200	5.39	0.313	0.4	13.03	265	1.68	20.5	
0910		200	5.38	0.311	0.4	13.01	265	1.69	20.5	
0915		200	5.40	0.303	0.5	13.00	264	1.68	20.5	
0920		200	5.40	0.304	0.2	13.02	264	1.69	20.5	
0925		200	5.41	0.302	0.2	13.02	264	1.65	20.5	
0930		200	5.40	0.299	0.5	13.03	264	1.68	20.5	clear
0:00	**SAMPLE**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Notes / Sample Information

Sample ID - MW98-04-201119
Sample Time - 0935

Appearance at Start -
Appearance After Purging -

Additional Sample -
Additional Sample ID -

Approx. Total Volume Purged - liters
Purge Rate - mL/min

DTW After Purging - ft bTOC
DTW at Time of Sampling - ft bTOC
Fe^{2+} (kit) mg/L

Analyses - ~~TAL Metals (dissolved), Alkalinity, Chloride, Chemical Oxygen Demand, Total Dissolved Solids (TDS), Hardness, Nitrogen and Sulfate~~
VOC 8260B

Notes

AMEC

Low Flow Groundwater Sampling Field Log

Monitoring Well - FRW-2

Site
Location

Sampling Information

Date (MM/DD/YY) - 11/19/20
Personnel - M Sweet
Weather - Partly cloudy 20-40 °F
Sampling Device - Geopump peristaltic

Pump Controller - NA
Refill - / sec
Discharge - / sec
Pressure - / psi

Well Information

Well Vault PID - ____ ppb
Well Casing PID - 8.2 ppb
Well Diameter - 4 Inches

Measured Depth to Bottom - 28.10 ft BTOC
Screened Zone - ____ ft BGS
Depth to Pump Intake - ____ ft BGS
Pre-Pump (Static) Depth to Water - 21.84 ft BTOC
Post-Pump Depth to Water - ____ ft BTOC

Well Evacuation Data

Stabilization Criteria			± 0.1 SU	± 3 %	± 10 %	± 3 %	± 10 mV	± 10 %	0.3 ft	
Time	**Vol.** L	**Rate** mL/min	**pH** Std	**Cond.** ms/cm	**Turb.** NTU	**Temp.** C	**ORP** mV	**DO** mg/L	**DTW** ft	**Appearance or Comments**
1000	-	200								purge
1005		200	7.08	2.56	105	13.19	-73	0.33	22.44	
1010		200	7.14	2.63	107	13.26	-81	0.31	22.83	
1015		200	7.26	2.75	121	13.49	-101	0.27	23.46	
1020		150	7.27	2.75	121	13.57	-104	0.26		
1025		150	7.32	2.75	123	13.54	-113	0.25	23.78	
1030		150	7.33	2.73	124	13.56	-117	0.24		
1035		150	7.33	2.73	127	13.57	-117	0.24	24.02	
1040		150	7.33	2.72	126	13.53	-117	0.24		
1045		150	7.33	2.72	123	13.52	-118	0.24	24.10	
1050		150	7.33	2.71	125	13.51	-118	0.23	24.10	
0:00	*SAMPLE*	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Sample ID - FRW2-20111 9

Notes / Sample Information

Sample Time - 1055

Appearance at Start - ____
Appearance After Purging - ____
Additional Sample - ____
Additional Sample ID - ____

Approx. Total Volume Purged - ____ liters
Purge Rate - ____ mL/min
DTW After Purging - ____ ft bTOC
DTW at Time of Sampling - ____ ft bTOC
Fe^{2+} (kit) ____ mg/L

Analyses - ~~TAL Metals (dissolved); Alkalinity; Chloride; Chemical Oxygen Demand; Total Dissolved Solids (TDS); Hardness; Nitrogen and Sulfate~~
8260B, 300, 8015, 6010B/200.7, TOC, 353.2

Notes ____

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - MW-98-05A

Site
Location

Sampling Information

Date (MM/DD/YY) - 11/19/20
Personnel - M. Sweet
Weather - Clear 40°F
Sampling Device - GeoPump peristaltic

Pump Controller - NA
Refill - ____ sec
Discharge - ____ sec
Pressure - ____ psi

Well Information

Well Vault PID - ____ ppb
Well Casing PID - ____ ppb
Well Diameter - 2" Inches

Measured Depth to Bottom - ____ ft BTOC
Screened Zone - ____ ft BGS
Depth to Pump Intake - ____ ft BGS
Pre-Pump (Static) Depth to Water - 22.13 ft BTOC
Post-Pump Depth to Water - ____ ft BTOC

Well Evacuation Data

Stabilization Criteria ± 0.1 SU ± 3 % ± 10 % ± 3 % ± 10 mV ± 10 % 0.3 ft

Time	Vol. L	Rate mL/min	pH Std	Cond. ms/cm	Turb. NTU	Temp. C	ORP mV	DO mg/L	DTW ft	Appearance or Comments
1225	-								22.30	purge, clogged
1248		150								purge
1250		150	7.26	3.07	151	12.88	-92	0.40	23.1	oily
1255		150	7.25	3.10	158	13.29	-101	0.39		oily
1300		150	7.17	2.90	202	13.44	-93	0.32		
1305		150	7.01	2.68	165	13.57	-76	0.27	23.5	oily
1310		150	6.70	2.29	130	13.73	-47	0.25	23.8	
1315		150	6.57	2.18	124	13.77	-32	0.23	23.7	
1320		150	6.20	2.20	98.1	13.91	2	0.25		oily
1325		150	6.09	2.19	43.2	13.87	5	0.26		oily
1330		150	6.06	2.24	36.3	13.81	8	0.22		oily
1335		150	5.99	2.21	40.8	13.80	13	0.20		
1340		150	5.99	2.22	37.0	13.82	14	0.20		
1345		150	5.98	2.20	34.8	13.81	14	0.20		
1350		150	5.94	2.18	33.7	13.82	15	0.12		
0:00	SAMPLE	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Notes / Sample Information

Sample ID - MW98-05A-20111
Sample Time - 1355

Appearance at Start - ____
Appearance After Purging - ____

Additional Sample - ____
Additional Sample ID - ____

Approx. Total Volume Purged - ____ liters
Purge Rate - ____ mL/min

DTW After Purging - ____ ft bTOC
DTW at Time of Sampling - ____ ft bTOC
Fe^{2+} (kit) ____ mg/L

Analyses - 8260B, 300, 8015, 6010B/200.7, TOC, 353.2
~~TAL Metals (dissolved); Alkalinity; Chloride; Chemical Oxygen Demand; Total Dissolved Solids (TDS); Hardness; Nitrogen and Sulfate~~

Notes Oily, clogs in tubing, oil on probe

APPENDIX B

ANALYTICAL LABORATORY REPORT

Technical Report

prepared for:

Ramboll US Corp.
100 Pearl Street, East Tower, Third Floor
Hartford CT, 06102
Attention: Mark Mejac

Report Date: 11/25/2020
Client Project ID: 1690016505 Kraft Sag Harbor/Frmr Rowe Ind
York Project (SDG) No.: 20K0801

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 11/25/2020
Client Project ID: 1690016505 Kraft Sag Harbor/Frmr Rowe Ind
York Project (SDG) No.: 20K0801

Ramboll US Corp.
100 Pearl Street, East Tower, Third Floor
Hartford CT, 06102
Attention: Mark Mejac

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 18, 2020 and listed below. The project was identified as your project: **1690016505 Kraft Sag Harbor/Frmr Rowe Ind**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20K0801-01	MW45A-201117	Water	11/17/2020	11/18/2020
20K0801-02	FRW3-201117	Water	11/17/2020	11/18/2020
20K0801-03	DUP01-201117	Water	11/17/2020	11/18/2020
20K0801-04	FB01-201117	Water	11/17/2020	11/18/2020
20K0801-05	TB01-201117	Water	11/18/2020	11/18/2020
20K0801-06	MW98-01A-201118	Water	11/18/2020	11/18/2020
20K0801-07	FRW1-201118	Water	11/18/2020	11/18/2020

General Notes for York Project (SDG) No.: 20K0801

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 11/25/2020

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW45A-201117 **York Sample ID:** 20K0801-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 11:20 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP

Sample Information

Client Sample ID: MW45A-201117 **York Sample ID:** 20K0801-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 11:20 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP

Sample Information

Client Sample ID: MW45A-201117 **York Sample ID:** 20K0801-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 11:20 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33	TMP
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP

Sample Information

Client Sample ID: MW45A-201117 **York Sample ID:** 20K0801-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 11:20 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:33	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/21/2020 01:33	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.4 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.3 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.3 %*	*79-122*

Sample Information

Client Sample ID: FRW3-201117 **York Sample ID:** 20K0801-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 2:20 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP	11/21/2020 01:59	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP

Sample Information

Client Sample ID: FRW3-201117 **York Sample ID:** 20K0801-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 2:20 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
78-93-3	**2-Butanone**	**2200**	B	ug/L	10	100	50	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 15:51	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
591-78-6	**2-Hexanone**	**650**	Cal-E	ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
108-10-1	**4-Methyl-2-pentanone**	**4.4**	Cal-E	ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
67-64-1	**Acetone**	**1000**		ug/L	50	100	50	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 15:51	TMP
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
108-86-1	Bromobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP

Sample Information

Client Sample ID: FRW3-201117 **York Sample ID:** 20K0801-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 2:20 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	**cis-1,2-Dichloroethylene**	**110**		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/L	5.0	10	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
105-05-5	* p-Diethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP

Sample Information

Client Sample ID: FRW3-201117 **York Sample ID:** 20K0801-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 2:20 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
622-96-8	* p-Ethyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 01:59	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
127-18-4	**Tetrachloroethylene**	**1.4**	J	ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
108-88-3	Toluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
75-01-4	**Vinyl Chloride**	**3.2**	CCV-E	ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 01:59	TMP
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/21/2020 01:59	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.2 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**6300**		ug/L	100	10	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 10:10	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 10:02	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 10:02	RB

Sample Information

Client Sample ID: FRW3-201117 **York Sample ID:** 20K0801-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 2:20 pm	11/18/2020

Iron, Dissolved by EPA 200.7

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1340**		mg/L	2.50	10	EPA 200.7	11/23/2020 14:44	11/25/2020 14:53	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/19/2020 14:46	11/19/2020 21:20	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/19/2020 14:46	11/19/2020 21:20	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**1.88**		mg/L	1.00	1	EPA 300.0	11/19/2020 14:46	11/19/2020 21:20	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**12400**		mg/L	500	500	SM 5310C	11/19/2020 08:51	11/20/2020 16:30	JAG
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: DUP01-201117 **York Sample ID:** 20K0801-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 2:20 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: DUP01-201117 **York Sample ID:** 20K0801-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 2:20 pm	11/18/2020

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 NELAC-NY10854,NELAC-NY12058,NJDEP	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
78-93-3	**2-Butanone**	**2200**	B	ug/L	5.0	50	25	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 16:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP

Sample Information

Client Sample ID: DUP01-201117 **York Sample ID:** 20K0801-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 2:20 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
591-78-6	**2-Hexanone**	**560**	Cal-E	ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
108-10-1	**4-Methyl-2-pentanone**	**4.0**	Cal-E	ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
67-64-1	**Acetone**	**980**		ug/L	25	50	25	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:17	TMP
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
108-86-1	Bromobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
156-59-2	**cis-1,2-Dichloroethylene**	**110**		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP

Sample Information

Client Sample ID: DUP01-201117 **York Sample ID:** 20K0801-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 2:20 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
91-20-3	Naphthalene	ND		ug/L	5.0	10	5	EPA 8260C Certifications:	11/20/2020 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/21/2020 02:25	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/21/2020 02:25	TMP
105-05-5	* p-Diethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25	TMP
622-96-8	* p-Ethyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40	11/21/2020 02:25	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
127-18-4	**Tetrachloroethylene**	**1.9**	J	ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
108-88-3	Toluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
75-01-4	**Vinyl Chloride**	**3.0**	CCV-E	ug/L	1.0	2.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:25	TMP
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/21/2020 02:25	TMP

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: DUP01-201117 **York Sample ID:** 20K0801-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 2:20 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.3 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.5 %*			*79-122*						

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**8500**		ug/L	100	10	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 10:52	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 10:45	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 10:45	RB

Iron, Dissolved by EPA 200.7

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1510**		mg/L	2.50	10	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/23/2020 14:44	11/25/2020 14:56	WJM

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/19/2020 14:46	11/19/2020 22:23	MAO

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH,PADEP	11/19/2020 14:46	11/19/2020 22:23	MAO

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: DUP01-201117 **York Sample ID:** 20K0801-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 2:20 pm	11/18/2020

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**1.30**		mg/L	1.00	1	EPA 300.0	11/19/2020 14:46	11/19/2020 22:23	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**13400**		mg/L	500	500	SM 5310C	11/19/2020 08:51	11/20/2020 16:30	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01-201117 **York Sample ID:** 20K0801-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 1:30 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 06:47	11/20/2020 16:27	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 06:47	11/20/2020 16:27	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 06:47	11/20/2020 16:27	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 06:47	11/20/2020 16:27	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 06:47	11/20/2020 16:27	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 06:47	11/20/2020 16:27	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 06:47	11/20/2020 16:27	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 06:47	11/20/2020 16:27	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 06:47	11/20/2020 16:27	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 06:47	11/20/2020 16:27	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01-201117 **York Sample ID:** 20K0801-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 1:30 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
67-64-1	**Acetone**	**1.3**	Cal-E, CCV-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP

Sample Information

Client Sample ID: FB01-201117 **York Sample ID:** 20K0801-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 1:30 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	**Methylene chloride**	**11**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP

Sample Information

Client Sample ID: FB01-201117 **York Sample ID:** 20K0801-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 1:30 pm	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 16:27	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 06:47	11/20/2020 16:27	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 06:47	11/20/2020 16:27	TMP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 06:47	11/20/2020 16:27	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 06:47	11/20/2020 16:27	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 06:47	11/20/2020 16:27	TMP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 06:47	11/20/2020 16:27	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 06:47	11/20/2020 16:27	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 06:47	11/20/2020 16:27	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 06:47	11/20/2020 16:27	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 06:47	11/20/2020 16:27	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 06:47	11/20/2020 16:27	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/20/2020 06:47	11/20/2020 16:27	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.7 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.3 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.4 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 10:58	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 10:58	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 10:58	RB

Sample Information

Client Sample ID: FB01-201117 **York Sample ID:** 20K0801-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 17, 2020 1:30 pm	11/18/2020

Iron, Dissolved by EPA 200.7

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.494**		mg/L	0.250	1	EPA 200.7	11/23/2020 14:44	11/25/2020 10:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/19/2020 14:46	11/19/2020 22:45	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/19/2020 14:46	11/19/2020 22:45	MAO
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0	11/19/2020 14:46	11/19/2020 22:45	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	ND		mg/L	1.00	1	SM 5310C	11/19/2020 08:51	11/20/2020 16:30	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01-201117 **York Sample ID:** 20K0801-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 12:00 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: TB01-201117 **York Sample ID:** 20K0801-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 12:00 am	11/18/2020

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP NELAC-NY10854,NELAC-NY12058,NJDEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: TB01-201117 **York Sample ID:** 20K0801-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 12:00 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
74-83-9	**Bromomethane**	**0.66**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/20/2020 13:25	TMP

Sample Information

Client Sample ID: TB01-201117 **York Sample ID:** 20K0801-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 12:00 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/20/2020 06:47	11/20/2020 13:25 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	TMP

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: TB01-201117 **York Sample ID:** 20K0801-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 12:00 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.6 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.9 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*92.7 %*			*79-122*						

Sample Information

Client Sample ID: MW98-01A-201118 **York Sample ID:** 20K0801-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 10:15 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP	11/23/2020 16:43	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 16:43	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP

Sample Information

Client Sample ID: MW98-01A-201118 **York Sample ID:** 20K0801-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 10:15 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
78-93-3	**2-Butanone**	**92**	Cal-E, CCV-E	ug/L	2.0	5.0	10	EPA 8260C Certifications:	11/20/2020 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 02:52	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
591-78-6	**2-Hexanone**	**7.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
108-10-1	**4-Methyl-2-pentanone**	**0.71**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
67-64-1	**Acetone**	**32**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
75-15-0	**Carbon disulfide**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP

Sample Information

Client Sample ID: MW98-01A-201118 **York Sample ID:** 20K0801-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 10:15 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
156-59-2	**cis-1,2-Dichloroethylene**	**0.40**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/23/2020 16:43	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/23/2020 16:43	TMP
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 16:43	TMP
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 16:43	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP

Sample Information

Client Sample ID: MW98-01A-201118 **York Sample ID:** 20K0801-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 10:15 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
127-18-4	**Tetrachloroethylene**	**5.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
79-01-6	**Trichloroethylene**	**0.69**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 16:43	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/23/2020 16:43	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.8 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* **Methane**	**1700**		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 11:03	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 11:03	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 11:03	RB

Iron, Dissolved by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**203**		mg/L	0.250	1	EPA 200.7 Certifications:	11/23/2020 14:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/25/2020 10:19	WJM

Sample Information

Client Sample ID: MW98-01A-201118 **York Sample ID:** 20K0801-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 10:15 am	11/18/2020

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	11/19/2020 14:46	11/19/2020 23:06	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	11/19/2020 14:46	11/19/2020 23:06	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**1.58**		mg/L	1.00	1	EPA 300.0	11/19/2020 14:46	11/19/2020 23:06	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**3030**		mg/L	500	500	SM 5310C	11/19/2020 08:51	11/20/2020 16:30	JAG
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: FRW1-201118 **York Sample ID:** 20K0801-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 11:55 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 06:47	11/23/2020 17:10	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 06:47	11/23/2020 17:10	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 06:47	11/23/2020 17:10	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: FRW1-201118 **York Sample ID:** 20K0801-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 11:55 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 NELAC-NY10854,NELAC-NY12058,NJDEP	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
78-93-3	2-Butanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
591-78-6	**2-Hexanone**	**78**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP

Sample Information

Client Sample ID: FRW1-201118 **York Sample ID:** 20K0801-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 11:55 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
108-10-1	**4-Methyl-2-pentanone**	**1.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
67-64-1	**Acetone**	**970**	Cal-E, CCV-E	ug/L	10	20	10	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 03:18	TMP
71-43-2	**Benzene**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
75-15-0	**Carbon disulfide**	**0.73**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
75-00-3	**Chloroethane**	**0.29**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
156-59-2	**cis-1,2-Dichloroethylene**	**490**		ug/L	2.0	5.0	10	EPA 8260C Certifications:	11/20/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/21/2020 03:18	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
100-41-4	**Ethyl Benzene**	**0.28**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/23/2020 17:10	TMP

Sample Information

Client Sample ID: FRW1-201118 **York Sample ID:** 20K0801-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 11:55 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10	TMP
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	**Tetrachloroethylene**	**0.58**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	**Toluene**	**1.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	**trans-1,2-Dichloroethylene**	**0.81**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-01-4	**Vinyl Chloride**	**12**	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/23/2020 06:47	11/23/2020 17:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.3 %*	*81-117*

Sample Information

Client Sample ID: FRW1-201118 **York Sample ID:** 20K0801-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 11:55 am	11/18/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.9 %*			*79-122*						

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**5900**		ug/L	100	10	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 11:22	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 11:14	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 11:14	RB

Iron, Dissolved by EPA 200.7

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**715**		mg/L	0.250	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/23/2020 14:44	11/25/2020 10:22	WJM

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/19/2020 14:46	11/19/2020 23:28	MAO

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH,PADEP	11/19/2020 14:46	11/19/2020 23:28	MAO

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/19/2020 14:46	11/19/2020 23:28	MAO

Sample Information

Client Sample ID: FRW1-201118 **York Sample ID:** 20K0801-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0801	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 18, 2020 11:55 am	11/18/2020

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**3250**		mg/L	500	500	SM 5310C	11/19/2020 08:51	11/20/2020 16:30	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BK01039 **Preparation Method:** Analysis Preparation **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
20K0801-02	FRW3-201117	11/19/20
20K0801-03	DUP01-201117	11/19/20
20K0801-04	FB01-201117	11/19/20
20K0801-06	MW98-01A-201118	11/19/20
20K0801-07	FRW1-201118	11/19/20
BK01039-BLK1	Blank	11/19/20
BK01039-BS1	LCS	11/19/20
BK01039-DUP1	Duplicate	11/19/20
BK01039-MS1	Matrix Spike	11/19/20

Batch ID: BK01102 **Preparation Method:** EPA 300 **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
20K0801-02	FRW3-201117	11/19/20
20K0801-03	DUP01-201117	11/19/20
20K0801-04	FB01-201117	11/19/20
20K0801-06	MW98-01A-201118	11/19/20
20K0801-07	FRW1-201118	11/19/20
BK01102-BLK1	Blank	11/19/20
BK01102-BS1	LCS	11/19/20

Batch ID: BK01167 **Preparation Method:** EPA 5030B **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
20K0801-04	FB01-201117	11/20/20
20K0801-05	TB01-201117	11/20/20
BK01167-BLK1	Blank	11/20/20
BK01167-BS1	LCS	11/20/20
BK01167-BSD1	LCS Dup	11/20/20

Batch ID: BK01169 **Preparation Method:** EPA 5030B **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
20K0801-01	MW45A-201117	11/20/20
20K0801-02	FRW3-201117	11/20/20
20K0801-03	DUP01-201117	11/20/20
20K0801-06RE1	MW98-01A-201118	11/20/20
20K0801-07RE1	FRW1-201118	11/20/20
BK01169-BLK1	Blank	11/20/20
BK01169-BS1	LCS	11/20/20
BK01169-BSD1	LCS Dup	11/20/20

Batch ID: BK01201 **Preparation Method:** Preparation for GC Analysis **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
20K0801-02	FRW3-201117	11/23/20
20K0801-02RE1	FRW3-201117	11/23/20
20K0801-03	DUP01-201117	11/23/20
20K0801-03RE1	DUP01-201117	11/23/20
20K0801-04	FB01-201117	11/23/20
20K0801-06	MW98-01A-201118	11/23/20
20K0801-07	FRW1-201118	11/23/20
20K0801-07RE1	FRW1-201118	11/23/20
BK01201-BLK1	Blank	11/23/20
BK01201-DUP1	Duplicate	11/23/20
BK01201-DUP2	Duplicate	11/23/20

Batch ID: BK01245 **Preparation Method:** EPA 200.7 **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
20K0801-02	FRW3-201117	11/23/20
20K0801-02RE1	FRW3-201117	11/23/20
20K0801-03	DUP01-201117	11/23/20
20K0801-03RE1	DUP01-201117	11/23/20
20K0801-04	FB01-201117	11/23/20
20K0801-06	MW98-01A-201118	11/23/20
20K0801-07	FRW1-201118	11/23/20
BK01245-BLK1	Blank	11/23/20
BK01245-BS1	LCS	11/23/20

Batch ID: BK01249 **Preparation Method:** EPA 5030B **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
20K0801-02RE1	FRW3-201117	11/23/20
20K0801-03RE1	DUP01-201117	11/23/20
20K0801-06	MW98-01A-201118	11/23/20
20K0801-07	FRW1-201118	11/23/20
BK01249-BLK1	Blank	11/23/20
BK01249-BS1	LCS	11/23/20
BK01249-BSD1	LCS Dup	11/23/20

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01167 - EPA 5030B											
Blank (BK01167-BLK1)									Prepared & Analyzed: 11/20/2020		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4,5-Tetramethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01167 - EPA 5030B											
Blank (BK01167-BLK1)											Prepared & Analyzed: 11/20/2020
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.71*		*"*	*10.0*		*97.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.39*		*"*	*10.0*		*93.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.52*		*"*	*10.0*		*95.2*	*79-122*				
LCS (BK01167-BS1)											Prepared & Analyzed: 11/20/2020
1,1,1,2-Tetrachloroethane	9.97		ug/L	10.0		99.7	82-126				
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	9.86		"	10.0		98.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.6		"	10.0		126	54-165				
1,1,2-Trichloroethane	9.74		"	10.0		97.4	82-123				
1,1-Dichloroethane	10.6		"	10.0		106	82-129				
1,1-Dichloroethylene	11.5		"	10.0		115	68-138				
1,1-Dichloropropylene	11.1		"	10.0		111	83-133				
1,2,3-Trichlorobenzene	9.19		"	10.0		91.9	76-136				
1,2,3-Trichloropropane	9.44		"	10.0		94.4	77-128				
1,2,4,5-Tetramethylbenzene	9.60		"	10.0		96.0	85-140				
1,2,4-Trichlorobenzene	9.42		"	10.0		94.2	76-137				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	8.70		"	10.0		87.0	45-147				
1,2-Dibromoethane	10.3		"	10.0		103	83-124				
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123				
1,2-Dichloroethane	9.95		"	10.0		99.5	73-132				
1,2-Dichloropropane	10.4		"	10.0		104	78-126				
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,3-Dichloropropane	10.1		"	10.0		101	81-125				
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124				
2,2-Dichloropropane	10.4		"	10.0		104	56-150				
2-Butanone	10.5		"	10.0		105	49-152				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01167 - EPA 5030B											
LCS (BK01167-BS1)							Prepared & Analyzed: 11/20/2020				
2-Chlorotoluene	9.91		ug/L	10.0		99.1	79-130				
2-Hexanone	8.71		"	10.0		87.1	51-146				
4-Chlorotoluene	9.91		"	10.0		99.1	79-128				
4-Methyl-2-pentanone	9.08		"	10.0		90.8	57-145				
Acetone	11.1		"	10.0		111	14-150				
Benzene	11.2		"	10.0		112	85-126				
Bromobenzene	9.80		"	10.0		98.0	78-129				
Bromochloromethane	10.9		"	10.0		109	77-128				
Bromodichloromethane	10.0		"	10.0		100	79-128				
Bromoform	9.88		"	10.0		98.8	78-133				
Bromomethane	11.4		"	10.0		114	43-168				
Carbon disulfide	12.3		"	10.0		123	68-146				
Carbon tetrachloride	10.3		"	10.0		103	77-141				
Chlorobenzene	10.3		"	10.0		103	88-120				
Chloroethane	11.8		"	10.0		118	65-136				
Chloroform	10.6		"	10.0		106	82-128				
Chloromethane	8.83		"	10.0		88.3	43-155				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	83-129				
cis-1,3-Dichloropropylene	9.96		"	10.0		99.6	80-131				
Dibromochloromethane	10.2		"	10.0		102	80-130				
Dibromomethane	9.91		"	10.0		99.1	72-134				
Dichlorodifluoromethane	14.1		"	10.0		141	44-144				
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	9.03		"	10.0		90.3	67-146				
Isopropylbenzene	10.1		"	10.0		101	76-140				
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135				
Methylene chloride	11.2		"	10.0		112	55-137				
Naphthalene	8.92		"	10.0		89.2	70-147				
n-Butylbenzene	10.6		"	10.0		106	79-132				
n-Propylbenzene	10.2		"	10.0		102	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	20.7		"	20.0		104	77-133				
p-Diethylbenzene	11.5		"	10.0		115	84-134				
p-Ethyltoluene	10.9		"	10.0		109	88-129				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	10.6		"	10.0		106	67-132				
tert-Butylbenzene	8.86		"	10.0		88.6	77-138				
Tetrachloroethylene	10.1		"	10.0		101	82-131				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	11.7		"	10.0		117	80-132				
trans-1,3-Dichloropropylene	9.36		"	10.0		93.6	78-131				
Trichloroethylene	10.4		"	10.0		104	82-128				
Trichlorofluoromethane	10.7		"	10.0		107	67-139				
Vinyl Chloride	12.4		"	10.0		124	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.93*		*"*	*10.0*		*89.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.89*		*"*	*10.0*		*98.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.79*		*"*	*10.0*		*97.9*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01167 - EPA 5030B											
LCS Dup (BK01167-BSD1)								Prepared & Analyzed: 11/20/2020			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		1.99	30	
1,1,1-Trichloroethane	10.4		"	10.0		104	78-136		0.858	30	
1,1,2,2-Tetrachloroethane	9.64		"	10.0		96.4	76-129		2.26	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.1		"	10.0		131	54-165		4.12	30	
1,1,2-Trichloroethane	10.3		"	10.0		103	82-123		5.30	30	
1,1-Dichloroethane	10.1		"	10.0		101	82-129		4.94	30	
1,1-Dichloroethylene	11.9		"	10.0		119	68-138		3.58	30	
1,1-Dichloropropylene	10.4		"	10.0		104	83-133		6.62	30	
1,2,3-Trichlorobenzene	10.7		"	10.0		107	76-136		15.1	30	
1,2,3-Trichloropropane	9.46		"	10.0		94.6	77-128		0.212	30	
1,2,4,5-Tetramethylbenzene	9.29		"	10.0		92.9	85-140		3.28	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137		11.8	30	
1,2,4-Trimethylbenzene	9.06		"	10.0		90.6	82-132		11.4	30	
1,2-Dibromo-3-chloropropane	9.72		"	10.0		97.2	45-147		11.1	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		2.21	30	
1,2-Dichlorobenzene	9.69		"	10.0		96.9	79-123		5.13	30	
1,2-Dichloroethane	10.7		"	10.0		107	73-132		7.36	30	
1,2-Dichloropropane	9.25		"	10.0		92.5	78-126		11.7	30	
1,3,5-Trimethylbenzene	9.00		"	10.0		90.0	80-131		14.0	30	
1,3-Dichlorobenzene	9.33		"	10.0		93.3	86-122		8.12	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		1.18	30	
1,4-Dichlorobenzene	9.46		"	10.0		94.6	85-124		6.15	30	
2,2-Dichloropropane	10.2		"	10.0		102	56-150		2.72	30	
2-Butanone	11.3		"	10.0		113	49-152		7.50	30	
2-Chlorotoluene	8.39		"	10.0		83.9	79-130		16.6	30	
2-Hexanone	9.49		"	10.0		94.9	51-146		8.57	30	
4-Chlorotoluene	8.61		"	10.0		86.1	79-128		14.0	30	
4-Methyl-2-pentanone	9.72		"	10.0		97.2	57-145		6.81	30	
Acetone	13.1		"	10.0		131	14-150		16.4	30	
Benzene	10.7		"	10.0		107	85-126		4.12	30	
Bromobenzene	8.78		"	10.0		87.8	78-129		11.0	30	
Bromochloromethane	11.2		"	10.0		112	77-128		2.90	30	
Bromodichloromethane	9.61		"	10.0		96.1	79-128		4.18	30	
Bromoform	10.5		"	10.0		105	78-133		6.37	30	
Bromomethane	13.5		"	10.0		135	43-168		16.6	30	
Carbon disulfide	12.8		"	10.0		128	68-146		4.47	30	
Carbon tetrachloride	10.3		"	10.0		103	77-141		0.0971	30	
Chlorobenzene	10.0		"	10.0		100	88-120		3.34	30	
Chloroethane	14.4		"	10.0		144	65-136	High Bias	19.3	30	
Chloroform	10.5		"	10.0		105	82-128		0.380	30	
Chloromethane	10.2		"	10.0		102	43-155		14.8	30	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129		3.04	30	
cis-1,3-Dichloropropylene	9.80		"	10.0		98.0	80-131		1.62	30	
Dibromochloromethane	10.4		"	10.0		104	80-130		2.33	30	
Dibromomethane	10.0		"	10.0		100	72-134		1.30	30	
Dichlorodifluoromethane	16.5		"	10.0		165	44-144	High Bias	15.4	30	
Ethyl Benzene	9.85		"	10.0		98.5	80-131		6.29	30	
Hexachlorobutadiene	9.49		"	10.0		94.9	67-146		4.97	30	
Isopropylbenzene	8.50		"	10.0		85.0	76-140		17.2	30	
Methyl tert-butyl ether (MTBE)	12.8		"	10.0		128	76-135		24.0	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01167 - EPA 5030B											
LCS Dup (BK01167-BSD1)								Prepared & Analyzed: 11/20/2020			
Methylene chloride	12.0		ug/L	10.0		120	55-137		6.87	30	
Naphthalene	10.2		"	10.0		102	70-147		13.0	30	
n-Butylbenzene	9.38		"	10.0		93.8	79-132		11.8	30	
n-Propylbenzene	8.62		"	10.0		86.2	78-133		16.5	30	
o-Xylene	9.91		"	10.0		99.1	78-130		3.08	30	
p- & m- Xylenes	19.9		"	20.0		99.4	77-133		4.19	30	
p-Diethylbenzene	10.6		"	10.0		106	84-134		8.52	30	
p-Ethyltoluene	9.46		"	10.0		94.6	88-129		14.1	30	
p-Isopropyltoluene	9.36		"	10.0		93.6	81-136		11.0	30	
sec-Butylbenzene	9.60		"	10.0		96.0	79-137		13.8	30	
Styrene	10.2		"	10.0		102	67-132		3.26	30	
tert-Butylbenzene	7.64		"	10.0		76.4	77-138	Low Bias	14.8	30	
Tetrachloroethylene	9.31		"	10.0		93.1	82-131		7.94	30	
Toluene	9.61		"	10.0		96.1	80-127		11.4	30	
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132		1.36	30	
trans-1,3-Dichloropropylene	9.59		"	10.0		95.9	78-131		2.43	30	
Trichloroethylene	9.25		"	10.0		92.5	82-128		11.9	30	
Trichlorofluoromethane	11.8		"	10.0		118	67-139		9.94	30	
Vinyl Chloride	14.1		"	10.0		141	58-145		13.1	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.37*		*"*	*10.0*		*93.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.09*		*"*	*10.0*		*90.9*	*79-122*				
Batch BK01169 - EPA 5030B											
Blank (BK01169-BLK1)								Prepared & Analyzed: 11/20/2020			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4,5-Tetramethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01169 - EPA 5030B											
Blank (BK01169-BLK1)											
2-Hexanone	ND	0.50	ug/L								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.3*		*"*	*10.0*		*113*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.41*		*"*	*10.0*		*94.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.13*		*"*	*10.0*		*91.3*	*79-122*				

Prepared & Analyzed: 11/20/2020

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01169 - EPA 5030B											
LCS (BK01169-BS1)								Prepared & Analyzed: 11/20/2020			
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126				
1,1,1-Trichloroethane	11.7		"	10.0		117	78-136				
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0		"	10.0		120	54-165				
1,1,2-Trichloroethane	11.2		"	10.0		112	82-123				
1,1-Dichloroethane	11.7		"	10.0		117	82-129				
1,1-Dichloroethylene	11.7		"	10.0		117	68-138				
1,1-Dichloropropylene	11.8		"	10.0		118	83-133				
1,2,3-Trichlorobenzene	10.6		"	10.0		106	76-136				
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128				
1,2,4,5-Tetramethylbenzene	10.2		"	10.0		102	85-140				
1,2,4-Trichlorobenzene	10.7		"	10.0		107	76-137				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	9.47		"	10.0		94.7	45-147				
1,2-Dibromoethane	11.4		"	10.0		114	83-124				
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123				
1,2-Dichloroethane	11.8		"	10.0		118	73-132				
1,2-Dichloropropane	10.8		"	10.0		108	78-126				
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,3-Dichloropropane	11.0		"	10.0		110	81-125				
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124				
2,2-Dichloropropane	9.38		"	10.0		93.8	56-150				
2-Butanone	12.2		"	10.0		122	49-152				
2-Chlorotoluene	9.95		"	10.0		99.5	79-130				
2-Hexanone	10.3		"	10.0		103	51-146				
4-Chlorotoluene	9.64		"	10.0		96.4	79-128				
4-Methyl-2-pentanone	10.5		"	10.0		105	57-145				
Acetone	14.3		"	10.0		143	14-150				
Benzene	12.4		"	10.0		124	85-126				
Bromobenzene	9.79		"	10.0		97.9	78-129				
Bromochloromethane	12.6		"	10.0		126	77-128				
Bromodichloromethane	10.7		"	10.0		107	79-128				
Bromoform	11.7		"	10.0		117	78-133				
Bromomethane	14.4		"	10.0		144	43-168				
Carbon disulfide	12.9		"	10.0		129	68-146				
Carbon tetrachloride	11.4		"	10.0		114	77-141				
Chlorobenzene	11.1		"	10.0		111	88-120				
Chloroethane	14.8		"	10.0		148	65-136	High Bias			
Chloroform	12.0		"	10.0		120	82-128				
Chloromethane	10.2		"	10.0		102	43-155				
cis-1,2-Dichloroethylene	11.6		"	10.0		116	83-129				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131				
Dibromochloromethane	11.3		"	10.0		113	80-130				
Dibromomethane	11.0		"	10.0		110	72-134				
Dichlorodifluoromethane	14.5		"	10.0		145	44-144	High Bias			
Ethyl Benzene	11.0		"	10.0		110	80-131				
Hexachlorobutadiene	9.01		"	10.0		90.1	67-146				
Isopropylbenzene	9.72		"	10.0		97.2	76-140				
Methyl tert-butyl ether (MTBE)	12.9		"	10.0		129	76-135				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01169 - EPA 5030B											
LCS (BK01169-BS1)							Prepared & Analyzed: 11/20/2020				
Methylene chloride	11.8		ug/L	10.0		118	55-137				
Naphthalene	10.0		"	10.0		100	70-147				
n-Butylbenzene	10.6		"	10.0		106	79-132				
n-Propylbenzene	9.77		"	10.0		97.7	78-133				
o-Xylene	11.0		"	10.0		110	78-130				
p- & m- Xylenes	21.9		"	20.0		110	77-133				
p-Diethylbenzene	11.4		"	10.0		114	84-134				
p-Ethyltoluene	10.5		"	10.0		105	88-129				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	10.6		"	10.0		106	79-137				
Styrene	11.4		"	10.0		114	67-132				
tert-Butylbenzene	8.79		"	10.0		87.9	77-138				
Tetrachloroethylene	10.2		"	10.0		102	82-131				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	12.5		"	10.0		125	80-132				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	12.2		"	10.0		122	67-139				
Vinyl Chloride	13.9		"	10.0		139	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.36*		*"*	*10.0*		*93.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.34*		*"*	*10.0*		*93.4*	*79-122*				
LCS Dup (BK01169-BSD1)							Prepared & Analyzed: 11/20/2020				
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126		1.65	30	
1,1,1-Trichloroethane	10.9		"	10.0		109	78-136		6.74	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		3.05	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165		7.00	30	
1,1,2-Trichloroethane	11.2		"	10.0		112	82-123		0.537	30	
1,1-Dichloroethane	10.9		"	10.0		109	82-129		7.34	30	
1,1-Dichloroethylene	10.6		"	10.0		106	68-138		9.75	30	
1,1-Dichloropropylene	10.8		"	10.0		108	83-133		9.31	30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	76-136		3.94	30	
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128		1.33	30	
1,2,4,5-Tetramethylbenzene	9.74		"	10.0		97.4	85-140		4.12	30	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	76-137		2.18	30	
1,2,4-Trimethylbenzene	9.52		"	10.0		95.2	82-132		6.21	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		7.32	30	
1,2-Dibromoethane	11.6		"	10.0		116	83-124		1.92	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123		1.07	30	
1,2-Dichloroethane	11.5		"	10.0		115	73-132		2.84	30	
1,2-Dichloropropane	10.4		"	10.0		104	78-126		3.40	30	
1,3,5-Trimethylbenzene	9.61		"	10.0		96.1	80-131		5.07	30	
1,3-Dichlorobenzene	9.79		"	10.0		97.9	86-122		3.12	30	
1,3-Dichloropropane	10.9		"	10.0		109	81-125		0.547	30	
1,4-Dichlorobenzene	9.72		"	10.0		97.2	85-124		5.31	30	
2,2-Dichloropropane	8.52		"	10.0		85.2	56-150		9.61	30	
2-Butanone	12.9		"	10.0		129	49-152		5.43	30	
2-Chlorotoluene	9.14		"	10.0		91.4	79-130		8.49	30	
2-Hexanone	10.3		"	10.0		103	51-146		0.0968	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01169 - EPA 5030B											
LCS Dup (BK01169-BSD1)								Prepared & Analyzed: 11/20/2020			
4-Chlorotoluene	9.03		ug/L	10.0		90.3	79-128		6.53	30	
4-Methyl-2-pentanone	10.5		"	10.0		105	57-145		0.190	30	
Acetone	13.2		"	10.0		132	14-150		8.51	30	
Benzene	11.6		"	10.0		116	85-126		6.67	30	
Bromobenzene	9.34		"	10.0		93.4	78-129		4.70	30	
Bromochloromethane	11.9		"	10.0		119	77-128		5.22	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		5.26	30	
Bromoform	11.7		"	10.0		117	78-133		0.0854	30	
Bromomethane	10.3		"	10.0		103	43-168		32.8	30	Non-dir.
Carbon disulfide	11.8		"	10.0		118	68-146		9.02	30	
Carbon tetrachloride	10.4		"	10.0		104	77-141		8.93	30	
Chlorobenzene	10.5		"	10.0		105	88-120		5.19	30	
Chloroethane	13.1		"	10.0		131	65-136		12.1	30	
Chloroform	11.1		"	10.0		111	82-128		8.39	30	
Chloromethane	9.48		"	10.0		94.8	43-155		7.02	30	
cis-1,2-Dichloroethylene	10.9		"	10.0		109	83-129		5.97	30	
cis-1,3-Dichloropropylene	9.97		"	10.0		99.7	80-131		2.08	30	
Dibromochloromethane	11.2		"	10.0		112	80-130		1.16	30	
Dibromomethane	11.0		"	10.0		110	72-134		0.0907	30	
Dichlorodifluoromethane	13.1		"	10.0		131	44-144		9.99	30	
Ethyl Benzene	10.3		"	10.0		103	80-131		6.46	30	
Hexachlorobutadiene	8.94		"	10.0		89.4	67-146		0.780	30	
Isopropylbenzene	9.08		"	10.0		90.8	76-140		6.81	30	
Methyl tert-butyl ether (MTBE)	12.5		"	10.0		125	76-135		3.47	30	
Methylene chloride	11.4		"	10.0		114	55-137		4.05	30	
Naphthalene	10.1		"	10.0		101	70-147		0.496	30	
n-Butylbenzene	9.71		"	10.0		97.1	79-132		8.76	30	
n-Propylbenzene	9.08		"	10.0		90.8	78-133		7.32	30	
o-Xylene	10.3		"	10.0		103	78-130		6.67	30	
p- & m- Xylenes	20.8		"	20.0		104	77-133		5.43	30	
p-Diethylbenzene	10.9		"	10.0		109	84-134		4.56	30	
p-Ethyltoluene	9.72		"	10.0		97.2	88-129		7.81	30	
p-Isopropyltoluene	9.67		"	10.0		96.7	81-136		7.18	30	
sec-Butylbenzene	9.98		"	10.0		99.8	79-137		6.12	30	
Styrene	10.9		"	10.0		109	67-132		4.58	30	
tert-Butylbenzene	8.22		"	10.0		82.2	77-138		6.70	30	
Tetrachloroethylene	9.57		"	10.0		95.7	82-131		6.47	30	
Toluene	10.2		"	10.0		102	80-127		5.51	30	
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132		10.3	30	
trans-1,3-Dichloropropylene	9.77		"	10.0		97.7	78-131		3.32	30	
Trichloroethylene	9.91		"	10.0		99.1	82-128		2.79	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-139		13.8	30	
Vinyl Chloride	12.6		"	10.0		126	58-145		9.72	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.46*		*"*	*10.0*		*94.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.23*		*"*	*10.0*		*92.3*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01249 - EPA 5030B											
Blank (BK01249-BLK1)											Prepared & Analyzed: 11/23/2020
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4,5-Tetramethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	0.70	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01249 - EPA 5030B											
Blank (BK01249-BLK1)									Prepared & Analyzed: 11/23/2020		
Methylene chloride	ND	2.0	ug/L								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.78*		*"*	*10.0*		*97.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.34*		*"*	*10.0*		*93.4*	*79-122*				
LCS (BK01249-BS1)									Prepared & Analyzed: 11/23/2020		
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.18		"	10.0		91.8	54-165				
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123				
1,1-Dichloroethane	10.5		"	10.0		105	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,1-Dichloropropylene	10.1		"	10.0		101	83-133				
1,2,3-Trichlorobenzene	9.25		"	10.0		92.5	76-136				
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128				
1,2,4,5-Tetramethylbenzene	9.59		"	10.0		95.9	85-140				
1,2,4-Trichlorobenzene	9.42		"	10.0		94.2	76-137				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	9.84		"	10.0		98.4	45-147				
1,2-Dibromoethane	10.4		"	10.0		104	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	10.2		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131				
1,3-Dichlorobenzene	9.95		"	10.0		99.5	86-122				
1,3-Dichloropropane	10.6		"	10.0		106	81-125				
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124				
2,2-Dichloropropane	10.5		"	10.0		105	56-150				
2-Butanone	11.0		"	10.0		110	49-152				
2-Chlorotoluene	10.3		"	10.0		103	79-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01249 - EPA 5030B											
LCS (BK01249-BS1)							Prepared & Analyzed: 11/23/2020				
2-Hexanone	10.7		ug/L	10.0		107	51-146				
4-Chlorotoluene	10.1		"	10.0		101	79-128				
4-Methyl-2-pentanone	10.6		"	10.0		106	57-145				
Acetone	9.55		"	10.0		95.5	14-150				
Benzene	10.8		"	10.0		108	85-126				
Bromobenzene	10.1		"	10.0		101	78-129				
Bromochloromethane	10.9		"	10.0		109	77-128				
Bromodichloromethane	10.5		"	10.0		105	79-128				
Bromoform	10.8		"	10.0		108	78-133				
Bromomethane	10.0		"	10.0		100	43-168				
Carbon disulfide	11.7		"	10.0		117	68-146				
Carbon tetrachloride	9.80		"	10.0		98.0	77-141				
Chlorobenzene	10.6		"	10.0		106	88-120				
Chloroethane	10.8		"	10.0		108	65-136				
Chloroform	10.5		"	10.0		105	82-128				
Chloromethane	10.7		"	10.0		107	43-155				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	10.3		"	10.0		103	72-134				
Dichlorodifluoromethane	8.93		"	10.0		89.3	44-144				
Ethyl Benzene	10.8		"	10.0		108	80-131				
Hexachlorobutadiene	9.47		"	10.0		94.7	67-146				
Isopropylbenzene	9.74		"	10.0		97.4	76-140				
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	76-135				
Methylene chloride	11.2		"	10.0		112	55-137				
Naphthalene	9.35		"	10.0		93.5	70-147				
n-Butylbenzene	9.87		"	10.0		98.7	79-132				
n-Propylbenzene	9.89		"	10.0		98.9	78-133				
o-Xylene	10.7		"	10.0		107	78-130				
p- & m- Xylenes	21.8		"	20.0		109	77-133				
p-Diethylbenzene	10.8		"	10.0		108	84-134				
p-Ethyltoluene	10.9		"	10.0		109	88-129				
p-Isopropyltoluene	9.91		"	10.0		99.1	81-136				
sec-Butylbenzene	10.1		"	10.0		101	79-137				
Styrene	11.4		"	10.0		114	67-132				
tert-Butylbenzene	7.94		"	10.0		79.4	77-138				
Tetrachloroethylene	9.61		"	10.0		96.1	82-131				
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	9.13		"	10.0		91.3	67-139				
Vinyl Chloride	10.1		"	10.0		101	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.89*		*"*	*10.0*		*98.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.65*		*"*	*10.0*		*96.5*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01249 - EPA 5030B											
LCS Dup (BK01249-BSD1)								Prepared & Analyzed: 11/23/2020			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		5.64	30	
1,1,1-Trichloroethane	9.44		"	10.0		94.4	78-136		7.64	30	
1,1,2,2-Tetrachloroethane	9.97		"	10.0		99.7	76-129		2.77	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.37		"	10.0		83.7	54-165		9.23	30	
1,1,2-Trichloroethane	9.84		"	10.0		98.4	82-123		4.08	30	
1,1-Dichloroethane	9.81		"	10.0		98.1	82-129		6.98	30	
1,1-Dichloroethylene	9.87		"	10.0		98.7	68-138		9.09	30	
1,1-Dichloropropylene	9.28		"	10.0		92.8	83-133		8.36	30	
1,2,3-Trichlorobenzene	9.02		"	10.0		90.2	76-136		2.52	30	
1,2,3-Trichloropropane	9.89		"	10.0		98.9	77-128		1.51	30	
1,2,4,5-Tetramethylbenzene	9.11		"	10.0		91.1	85-140		5.13	30	
1,2,4-Trichlorobenzene	9.06		"	10.0		90.6	76-137		3.90	30	
1,2,4-Trimethylbenzene	9.63		"	10.0		96.3	82-132		6.24	30	
1,2-Dibromo-3-chloropropane	9.92		"	10.0		99.2	45-147		0.810	30	
1,2-Dibromoethane	10.1		"	10.0		101	83-124		3.31	30	
1,2-Dichlorobenzene	9.57		"	10.0		95.7	79-123		5.39	30	
1,2-Dichloroethane	10.3		"	10.0		103	73-132		3.71	30	
1,2-Dichloropropane	9.40		"	10.0		94.0	78-126		8.16	30	
1,3,5-Trimethylbenzene	9.53		"	10.0		95.3	80-131		6.89	30	
1,3-Dichlorobenzene	9.32		"	10.0		93.2	86-122		6.54	30	
1,3-Dichloropropane	9.99		"	10.0		99.9	81-125		5.45	30	
1,4-Dichlorobenzene	9.44		"	10.0		94.4	85-124		6.95	30	
2,2-Dichloropropane	9.57		"	10.0		95.7	56-150		8.98	30	
2-Butanone	11.0		"	10.0		110	49-152		0.365	30	
2-Chlorotoluene	9.61		"	10.0		96.1	79-130		6.93	30	
2-Hexanone	10.5		"	10.0		105	51-146		1.23	30	
4-Chlorotoluene	9.35		"	10.0		93.5	79-128		7.42	30	
4-Methyl-2-pentanone	10.5		"	10.0		105	57-145		0.285	30	
Acetone	9.63		"	10.0		96.3	14-150		0.834	30	
Benzene	10.1		"	10.0		101	85-126		7.26	30	
Bromobenzene	9.48		"	10.0		94.8	78-129		6.73	30	
Bromochloromethane	10.3		"	10.0		103	77-128		5.27	30	
Bromodichloromethane	9.78		"	10.0		97.8	79-128		7.01	30	
Bromoform	10.6		"	10.0		106	78-133		2.43	30	
Bromomethane	8.77		"	10.0		87.7	43-168		13.1	30	
Carbon disulfide	10.5		"	10.0		105	68-146		10.5	30	
Carbon tetrachloride	9.04		"	10.0		90.4	77-141		8.07	30	
Chlorobenzene	9.80		"	10.0		98.0	88-120		7.94	30	
Chloroethane	9.85		"	10.0		98.5	65-136		9.20	30	
Chloroform	9.91		"	10.0		99.1	82-128		5.88	30	
Chloromethane	9.75		"	10.0		97.5	43-155		9.48	30	
cis-1,2-Dichloroethylene	9.96		"	10.0		99.6	83-129		7.35	30	
cis-1,3-Dichloropropylene	9.89		"	10.0		98.9	80-131		6.84	30	
Dibromochloromethane	10.3		"	10.0		103	80-130		4.47	30	
Dibromomethane	9.78		"	10.0		97.8	72-134		4.99	30	
Dichlorodifluoromethane	7.99		"	10.0		79.9	44-144		11.1	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		7.76	30	
Hexachlorobutadiene	9.01		"	10.0		90.1	67-146		4.98	30	
Isopropylbenzene	9.09		"	10.0		90.9	76-140		6.90	30	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135		2.58	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01249 - EPA 5030B											
LCS Dup (BK01249-BSD1)								Prepared & Analyzed: 11/23/2020			
Methylene chloride	10.5		ug/L	10.0		105	55-137		6.61	30	
Naphthalene	9.42		"	10.0		94.2	70-147		0.746	30	
n-Butylbenzene	9.58		"	10.0		95.8	79-132		2.98	30	
n-Propylbenzene	9.26		"	10.0		92.6	78-133		6.58	30	
o-Xylene	9.93		"	10.0		99.3	78-130		7.46	30	
p- & m- Xylenes	20.2		"	20.0		101	77-133		7.67	30	
p-Diethylbenzene	10.2		"	10.0		102	84-134		5.71	30	
p-Ethyltoluene	10.2		"	10.0		102	88-129		6.71	30	
p-Isopropyltoluene	9.48		"	10.0		94.8	81-136		4.44	30	
sec-Butylbenzene	9.74		"	10.0		97.4	79-137		3.73	30	
Styrene	10.6		"	10.0		106	67-132		7.28	30	
tert-Butylbenzene	7.57		"	10.0		75.7	77-138	Low Bias	4.77	30	
Tetrachloroethylene	8.73		"	10.0		87.3	82-131		9.60	30	
Toluene	9.73		"	10.0		97.3	80-127		8.28	30	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132		9.39	30	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	78-131		5.83	30	
Trichloroethylene	9.23		"	10.0		92.3	82-128		9.59	30	
Trichlorofluoromethane	8.26		"	10.0		82.6	67-139		10.0	30	
Vinyl Chloride	9.01		"	10.0		90.1	58-145		11.1	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.76*		*"*	*10.0*		*97.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.63*		*"*	*10.0*		*96.3*	*79-122*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01201 - Preparation for GC Analysis											
Blank (BK01201-BLK1)								Prepared & Analyzed: 11/23/2020			
Methane	ND	10	ug/L								
Ethane	ND	10	"								
Ethylene (Ethene)	ND	10	"								
Duplicate (BK01201-DUP1)	*Source sample: 20K0801-02 (FRW3-201117)							Prepared & Analyzed: 11/23/2020			
Ethane	ND	10	ug/L		ND					35	
Ethylene (Ethene)	ND	10	"		ND					35	
Duplicate (BK01201-DUP2)	*Source sample: 20K0801-02RE1 (FRW3-201117)							Prepared & Analyzed: 11/23/2020			
Methane	7600	100	ug/L		6300				19.4	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01245 - EPA 200.7											
Blank (BK01245-BLK1)									Prepared: 11/23/2020 Analyzed: 11/25/2020		
Iron - Dissolved	ND	0.250	mg/L								
LCS (BK01245-BS1)									Prepared: 11/23/2020 Analyzed: 11/25/2020		
Iron - Dissolved	1.00		ug/mL	1.00		100	85-115				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01102 - EPA 300											
Blank (BK01102-BLK1)									Prepared & Analyzed: 11/19/2020		
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BK01102-BS1)									Prepared & Analyzed: 11/19/2020		
Nitrate as N	10.2	0.0500	mg/L	10.0		102	90-110				
Nitrite as N	10.3	0.0500	"	10.0		103	90-110				
Sulfate	10.3	1.00	"	10.0		103	85-115				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK01039 - Analysis Preparation											
Blank (BK01039-BLK1)									Prepared: 11/19/2020 Analyzed: 11/20/2020		
Total Organic Carbon (TOC)	ND	1.00	mg/L								
LCS (BK01039-BS1)									Prepared: 11/19/2020 Analyzed: 11/20/2020		
Total Organic Carbon (TOC)	91.4	1.00	mg/L	94.0		97.2	79.5-125.1				
Duplicate (BK01039-DUP1)	*Source sample: 20K0801-04 (FB01-201117)								Prepared: 11/19/2020 Analyzed: 11/20/2020		
Total Organic Carbon (TOC)	ND	1.00	mg/L		ND					20	
Matrix Spike (BK01039-MS1)	*Source sample: 20K0801-04 (FB01-201117)								Prepared: 11/19/2020 Analyzed: 11/20/2020		
Total Organic Carbon (TOC)	22.8	1.00	mg/L	20.0	ND	114	70-130				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20K0801-01	MW45A-201117	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20K0801-02	FRW3-201117	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20K0801-03	DUP01-201117	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20K0801-04	FB01-201117	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20K0801-05	TB01-201117	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20K0801-06	MW98-01A-201118	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20K0801-07	FRW1-201118	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-01R	This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
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Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 20K0801

YOUR Information	Report To:	Invoice To:
Company: Ramboll US Consulting	Company: Ramboll US Consulting	Company: Ramboll US Consult
Address: 101 Carnegie Ctr, 200 Princeton NJ 08540	Address: 234 W. Florida St 5th Flr Milwaukee WI 53204	Address: 234 W Florida St, 5th flr Milwaukee WI 53204
Phone: (201) 575-1715	Phone: 262-901-0127	Phone: (262) 901-0127
Contact: Matthew Sweet	Contact: Mark Mejac	Contact: Mark Mejac
E-mail: msweet@ramboll.com	E-mail: mmejac@ramboll.com	E-mail: mmejac@ramboll.com

YOUR Project Number: 1690016505

YOUR Project Name: Kraft Sag Harbor/ Frmr Rowe Ind

YOUR PO#: 1690016505

Turn-Around Time: RUSH - Next Day; RUSH - Two Day; RUSH - Three Day; RUSH - Four Day; Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Matthew Sweet

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ¦ Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in) NYSDEC AWQS

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW45A-201117	GW	11/17/20 11:20	VOC(8260B) ~~8270, M8015, M6010B/200.7, TOC, M353.2~~ MS	
FRW3-201117	GW	11/17/20 14:20	VOC(8260B), M300, M8015, M6010B/200.7, TOC,	353.2 9 vials
DUP01-201117	GW	11/17/20 14:20	8260B, 300, 8015, 6010B/200.7, TOC, 3	53.2 2x250 mL
FB01-201117	Other	11/17/20 1330	8260B, 300, 8015, 6010B/200.7, TOC, 353.2	↓
TB01-201117	Other	11/18/20	VOC (8260B)	2 vials
MW98-01A-201118	GW	11/18/20 1015	8260B, 300, 8015, 6010B/200.7, TOC, 353.2	9 vials, 2x250
FRW1-201118	GW	11/18/20 1155	8260B, 300, 8015, 6010B/200.7, TOC, 353	9 vials, 2x250

Comments: Send EQUIS4 file to edd princeton@ramboll.com
Lab Filter Diss. Fe

Preservation: (check all that apply) HCl X; MeOH; HNO3; H2SO4; NaOH; ZnAc; Ascorbic Acid; Other:

Special Instruction: Field Filtered; Lab to Filter X

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Ramboll	11/18/20 13:41	K Bahyork	11/18/20 1941	K Bahyork	11/18/20 1806
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				TC Yale	11/18/20 1806 / 1.3 Degrees C

Technical Report

prepared for:

Ramboll US Corp.
100 Pearl Street, East Tower, Third Floor
Hartford CT, 06102
Attention: Mark Mejac

Report Date: 12/02/2020
Client Project ID: 1690016505 Kraft Sag Harbor/Frmr Rowe Ind
York Project (SDG) No.: 20K0890

Report Date: 12/02/2020
Client Project ID: 1690016505 Kraft Sag Harbor/Frmr Rowe Ind
York Project (SDG) No.: 20K0890

Ramboll US Corp.
100 Pearl Street, East Tower, Third Floor
Hartford CT, 06102
Attention: Mark Mejac

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 19, 2020 with a temperature of 1.4 C. The project was identified as your project: **1690016505 Kraft Sag Harbor/Frmr Rowe Ind**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20K0890-01	MW98-04-201119	Water	11/19/2020	11/19/2020
20K0890-02	FRW2-201119	Water	11/19/2020	11/19/2020
20K0890-03	MW98-05A-201119	Water	11/19/2020	11/19/2020
20K0890-04	TB01-201119	Water	11/19/2020	11/19/2020
20K0890-05	FRW4-201119	Water	11/19/2020	11/19/2020

General Notes for York Project (SDG) No.: 20K0890

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 12/02/2020

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW98-04-201119 **York Sample ID:** 20K0890-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 9:35 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: MW98-04-201119 **York Sample ID:** 20K0890-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 9:35 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	CLO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	CLO
78-93-3	**2-Butanone**	**5.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
67-64-1	**Acetone**	**90**		ug/L	5.0	10	5	EPA 8260C Certifications:	11/20/2020 12:30	12/01/2020 16:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	CLO
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	CLO
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO

Sample Information

Client Sample ID: MW98-04-201119 **York Sample ID:** 20K0890-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 9:35 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	CLO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	CLO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33	CLO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33	CLO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
127-18-4	**Tetrachloroethylene**	**1.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
108-88-3	**Toluene**	**1.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/21/2020 01:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO

Sample Information

Client Sample ID: MW98-04-201119 **York Sample ID:** 20K0890-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 9:35 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/20/2020 12:30	11/21/2020 01:33	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*90.9 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Sample Information

Client Sample ID: FRW2-201119 **York Sample ID:** 20K0890-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 10:55 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 22:52	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 22:52	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 22:52	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 22:52	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 22:52	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 22:52	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			

Sample Information

Client Sample ID: FRW2-201119 **York Sample ID:** 20K0890-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 10:55 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 NELAC-NY10854,NELAC-NY12058,NJDEP	CLO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52	CLO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
95-63-6	**1,2,4-Trimethylbenzene**	**0.35**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
78-93-3	**2-Butanone**	**1000**		ug/L	10	25	50	EPA 8260C Certifications:	11/24/2020 15:11	11/24/2020 15:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
591-78-6	**2-Hexanone**	**270**		ug/L	10	25	50	EPA 8260C Certifications:	11/24/2020 15:11	11/24/2020 15:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
108-10-1	**4-Methyl-2-pentanone**	**4.4**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO

Sample Information

Client Sample ID: FRW2-201119 **York Sample ID:** 20K0890-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 10:55 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
71-43-2	**Benzene**	**0.85**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 22:52	CLO
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 22:52	CLO
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
156-59-2	**cis-1,2-Dichloroethylene**	**88**		ug/L	10	25	50	EPA 8260C Certifications:	11/24/2020 15:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/24/2020 15:11	CLO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 22:52	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 22:52	CLO
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 22:52	CLO
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 22:52	CLO

Sample Information

Client Sample ID: FRW2-201119 **York Sample ID:** 20K0890-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 10:55 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	CLO
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	CLO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	CLO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52	CLO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52	CLO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
127-18-4	**Tetrachloroethylene**	**0.63**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
108-88-3	**Toluene**	**2.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
79-01-6	**Trichloroethylene**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
75-01-4	**Vinyl Chloride**	**6.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 22:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*92.4 %*	*69-130*

Sample Information

Client Sample ID: FRW2-201119 **York Sample ID:** 20K0890-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 10:55 am	11/19/2020

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**11000**		ug/L	100	10	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 11:34	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 11:28	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 11:28	RB

Iron, Dissolved by EPA 200.7

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**887**		mg/L	0.250	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/23/2020 14:44	11/25/2020 12:19	WJM

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/19/2020 15:08	11/20/2020 14:23	MAO

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH,PADEP	11/19/2020 15:08	11/20/2020 14:23	MAO

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/19/2020 15:08	11/20/2020 14:23	MAO

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**5200**		mg/L	500	500	SM 5310C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/25/2020 08:49	11/25/2020 16:01	JAG

Sample Information

Client Sample ID: MW98-05A-201119 **York Sample ID:** 20K0890-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 1:55 pm	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: MW98-05A-201119 **York Sample ID:** 20K0890-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 1:55 pm	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 23:20	CLO
78-93-3	**2-Butanone**	**930**		ug/L	5.0	12	25	EPA 8260C Certifications:	11/24/2020 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/24/2020 15:40	CLO
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
591-78-6	**2-Hexanone**	**31**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
108-10-1	**4-Methyl-2-pentanone**	**3.0**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
71-43-2	**Benzene**	**0.41**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 23:20	CLO
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 23:20	CLO
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
75-15-0	**Carbon disulfide**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
156-59-2	**cis-1,2-Dichloroethylene**	**75**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO

Sample Information

Client Sample ID: MW98-05A-201119 **York Sample ID:** 20K0890-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 1:55 pm	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 23:20	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 23:20	CLO
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 23:20	CLO
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 23:20	CLO
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	11/23/2020 23:20	CLO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	11/23/2020 23:20	CLO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:20	CLO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:20	CLO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
127-18-4	**Tetrachloroethylene**	**0.58**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
108-88-3	**Toluene**	**0.52**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:20	CLO

Sample Information

Client Sample ID: MW98-05A-201119 **York Sample ID:** 20K0890-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 1:55 pm	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-01-4	**Vinyl Chloride**	**4.7**		ug/L	0.20	0.50	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/23/2020 12:30	11/23/2020 23:20	CLO
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			

Surrogate Recoveries	Result	Acceptance Range
17060-07-0 *Surrogate: SURR: 1,2-Dichloroethane-d4*	*92.4 %*	*69-130*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* **Methane**	**13000**		ug/L	100	10	GC/Headspace	11/23/2020 08:27	11/23/2020 11:48	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	11/23/2020 08:27	11/23/2020 11:40	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	11/23/2020 08:27	11/23/2020 11:40	RB
							Certifications:			

Iron, Dissolved by EPA 200.7

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**598**		mg/L	0.250	1	EPA 200.7	11/23/2020 14:44	11/25/2020 12:22	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	11/19/2020 15:08	11/20/2020 14:45	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: MW98-05A-201119 **York Sample ID:** 20K0890-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 1:55 pm	11/19/2020

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	11/19/2020 15:08	11/20/2020 14:45	MAO
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**1.23**		mg/L	1.00	1	EPA 300.0	11/19/2020 15:08	11/20/2020 14:45	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**6210**		mg/L	500	500	SM 5310C	11/25/2020 08:49	11/25/2020 16:01	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01-201119 **York Sample ID:** 20K0890-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 12:00 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: TB01-201119 **York Sample ID:** 20K0890-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 12:00 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO NELAC-NY10854,NELAC-NY12058,NJDEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO NELAC-NY10854,NELAC-NY12058,NJDEP,PAL
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO NELAC-NY10854,NELAC-NY12058,NJDEP,PAL
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO NELAC-NY10854,NELAC-NY12058,NJDEP,PAL
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO NELAC-NY10854,NELAC-NY12058,NJDEP,PAL
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO NELAC-NY10854,NELAC-NY12058,NJDEP,PAL
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJ

Sample Information

Client Sample ID: TB01-201119 **York Sample ID:** 20K0890-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 12:00 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/20/2020 12:30	11/20/2020 22:42	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJ		

Sample Information

Client Sample ID: TB01-201119 **York Sample ID:** 20K0890-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 12:00 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/20/2020 12:30	11/20/2020 22:42	CLO
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	11/20/2020 12:30	11/20/2020 22:42	CLO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	11/20/2020 12:30	11/20/2020 22:42	CLO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/20/2020 12:30	11/20/2020 22:42	CLO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/20/2020 12:30	11/20/2020 22:42	CLO

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: TB01-201119 **York Sample ID:** 20K0890-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 12:00 am	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*93.3 %*			*69-130*						

Sample Information

Client Sample ID: FRW4-201119 **York Sample ID:** 20K0890-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 2:55 pm	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:49	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:49	CLO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:49	CLO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:49	CLO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:49	CLO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:49	CLO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:49	CLO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP	11/23/2020 23:49	CLO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 23:49	CLO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 23:49	CLO
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49	CLO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	11/23/2020 23:49	CLO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:49	CLO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 23:49	CLO

Sample Information

Client Sample ID: FRW4-201119 **York Sample ID:** 20K0890-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 2:55 pm	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
78-93-3	**2-Butanone**	**150**		ug/L	2.0	5.0	10	EPA 8260C Certifications:	11/24/2020 16:08	11/24/2020 16:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
591-78-6	**2-Hexanone**	**36**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
108-10-1	**4-Methyl-2-pentanone**	**3.0**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
75-15-0	**Carbon disulfide**	**0.38**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO

Sample Information

Client Sample ID: FRW4-201119 **York Sample ID:** 20K0890-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 2:55 pm	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
156-59-2	**cis-1,2-Dichloroethylene**	**4.6**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	CLO
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	CLO
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	CLO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	CLO
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49	CLO

Sample Information

Client Sample ID: FRW4-201119 **York Sample ID:** 20K0890-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 2:55 pm	11/19/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/23/2020 12:30	11/23/2020 23:49	CLO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO
127-18-4	**Tetrachloroethylene**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO
108-88-3	**Toluene**	**0.39**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	11/23/2020 12:30	11/23/2020 23:49	CLO

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*88.0 %*	*69-130*

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**33000**		ug/L	200	20	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 12:00	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 11:53	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	11/23/2020 08:27	11/23/2020 11:53	RB

Sample Information

Client Sample ID: FRW4-201119 **York Sample ID:** 20K0890-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20K0890	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	November 19, 2020 2:55 pm	11/19/2020

Iron, Dissolved by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**266**		mg/L	0.250	1	EPA 200.7	11/23/2020 14:44	11/25/2020 12:24	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/20/2020 15:08	11/20/2020 15:07	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/20/2020 15:08	11/20/2020 15:07	MAO
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND	HT-01R	mg/L	1.00	1	EPA 300.0	11/20/2020 15:08	11/20/2020 15:07	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1200**		mg/L	500	500	SM 5310C	11/25/2020 08:49	11/25/2020 16:01	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20K0890-01	MW98-04-201119	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20K0890-02	FRW2-201119	40mL 01_Clear Vial Cool to 4° C
20K0890-03	MW98-05A-201119	40mL 01_Clear Vial Cool to 4° C
20K0890-04	TB01-201119	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20K0890-05	FRW4-201119	40mL 01_Clear Vial Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-01R	This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 20K0890

Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Ramboll US Consulting	Company: Ramboll US Consulting	Company: Ramboll US Consulting	1690016505	RUSH - Next Day
Address: 101 Carnegie Ctr 200 Princeton NJ 08540	Address: 234 W. Florida St 5th Fl Milwaukee WI 53204	Address: 234 W. Florida St, 5th Fl Milwaukee WI 53204		RUSH - Two Day
Phone: (201) 575-1745	Phone: (262) 901-0127	Phone: (262) 901-0127	YOUR Project Name: Kraft Sag Harbor / Frmr Rowe Inc	RUSH - Three Day
Contact: Matthew Sweet	Contact: Mark Mejac	Contact: Mark Mejac		RUSH - Four Day
E-mail: msweet@ramboll.com	E-mail: mmejac@ramboll.com	E-mail: mmejac@ramboll.com	YOUR PO#: 1690016505	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matthew Sweet

Samples Collected by: (print your name above and sign below)

Matrix Codes

S - soil / solid	
GW - groundwater	
DW - drinking water	
WW - wastewater	
O - Oil ⋮ Other	

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	(NYSDEC EQuIS)
NY ASP B Package		NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)
NYSDEC AWQS

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW98-04-201119	GW	11/19/20 0935	VOC 8260B	3 vials
FRW2-201119	GW	11/19/20 1055	8260B, 300.0, 8015, 6010B/200.7, TOC 353.2	9 vials, 2x250
MW98-05A-201119	GW	11/19/20 1355	8260B, 300.0, 8015, 6010B/200.7, TOC, 353.2	9 vials, 2x250
TB01-201119	Other	11/19/20 -	VOC 8260B	2 vials
FRW4-201118	GW	11/18/20 1455	8260B, 300.0, 8015, 6010B/200.7, TOC, 353.2	9 vials, 2x250

Comments: Send EQuIS & File to eddprinceton@ramboll.com & Lab Filter Diss Fe

Preservation: (check all that apply)
HCl X MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter X

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Ramboll	11/19/20 14:08	YorkLab	11/19/20 2008pm	YorkLab	11/19/20 1807
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				KBLOCK	11/19/20 1807 / 1.4 Degrees C

APPENDIX C

DATA VALIDATION REPORT

RAMBOLL

ENVIRONMENT
& HEALTH

MEMORANDUM

To: **File**

From: **Mitchell Levenhagen**

Subject: **Data Validation, Sample Delivery Groups (SDG) 20K0801 and 20K0890, November 2020 Groundwater Samples Obtained from the Former Rowe Industries Superfund Site**

January 29, 2021

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Ref. 1690016505

Introduction

A total of 10 groundwater samples (including one duplicate sample and one field blank sample) were collected on November 17 through November 19, 2020, from the former Rowe Industries Superfund Site in Sag Harbor, New York. The samples were delivered to York Analytical Laboratories, Inc. of Stratford, Connecticut, under chain-of-custody by private courier for analysis of all or a subset of volatile organic compounds (VOCs) in accordance with United States Environmental Protection Agency (USEPA) Method 8260; methane, ethane, and ethene by headspace gas chromatography; dissolved iron by USEPA Method 200.7; nitrate/ nitrite and sulfate by USEPA Method 300.0; and total organic carbon by USEPA Method 5310C. The groundwater samples were collected in appropriately preserved sample containers and stored in a cooler under ice to approximately 4 degrees Celsius.

The data were evaluated with respect to accuracy, precision, and completeness using criteria established in the USEPA Laboratory National Functional Guidelines for Data Review. Quality control (QC) summary forms and data reports were reviewed. Data qualifiers were added when the QC data indicated a bias. The data evaluation and qualifications are noted below.

Standard data qualifiers were used as a means of classifying the data as to their conformance with QC requirements. Data qualifiers used for this sample delivery group are as follows:

Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
HT-01R	This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
J	Detected below the Reporting Limit (RL/LOQ) but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a tentatively identified compound (TIC), the result is an estimated concentration.

The analyte nitrate/nitrite was flagged with the HT-01R qualifier in a total of four samples (FRW3-201117, DUP01-201117 (field duplicate), FB01-201117 (field blank), and FRW4-201119). The analyte sulfate was also flagged with the HT-01R qualifier in sample FRW4-201119. These samples were analyzed beyond the USEPA Method 300.0 hold time of 48 hours.

A total of five groundwater samples (FRW3-201117, DUP01-201117, FB01-201117, MW98-01A-201118, and FRW1-201118) had one to two analytes flagged with the CCV-E qualifier. Specifically, vinyl chloride was flagged in FRW3-201117, DUP01-201117, and FRW1-201118. Acetone was flagged in FB01-201117 and FRW1-201118, and 2-butanone was flagged in MW98-01A-201118.

Five groundwater samples had one to two parameters flagged with the Cal-E qualifiers. Analytes 2-hexanone and 4-methyl-2-pentanone were flagged in samples FRW3-201117 and DUP01-201117. The analyte 2-butanone was flagged in sample MW98-01A-201118 and acetone was flagged in samples FB01-201117 and FRW1-201118.

For quality assurance/quality control purposes, two trip blanks (TB01-201117 and TB01-201119) were analyzed for VOCs and one duplicate and one field blank sample were analyzed for VOCs, methane, ethane and ethene, dissolved iron, nitrate/nitrite, sulfate, and total organic carbon. The field blank sample was collected by running distilled water through a decontaminated sampling pump utilizing disposable tubing. Bromomethane was detected in trip blank sample TB01-201117 at a concentration of 0.66 micrograms per liter (µg/L). No analytes were detected in trip blank sample TB01-201119. The field blank sample (FB01-201117) contained acetone at a concentration of 1.3J µg/L, methylene chloride at a concentration of 11 µg/L, and dissolved iron at a concentration of 0.494 milligrams per liter (mg/L).

Field precision is measured by the collection of duplicate samples. The objectives for field precision are relative percent differences (RPDs) of 30% for aqueous samples, provided that both the initial and field duplicate results are greater than five times the respective RLs. When one of both of the field duplicate sample results are below five times the RL, satisfactory precision is achieved if the sample results agree within 2.5 times the RL for aqueous samples. The analytical results from the duplicate sample (DUP01-201117) and its co-located sample (FRW3-201117) met the applicable RPD objective, with the RPD for tetrachloroethene (30.03%) and sulfate (36.48%) slightly above the objective of 30%.

Data qualifiers used for the sample delivery group quality control data are as follows:

B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
QL-02	This Laboratory Control Sample (LCS) analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

A total of two samples had a single parameter flagged with a B-qualifier. The analyte 2-butanone was flagged for samples FRW3-201117 and DUP01-201117. Two parameters from Sample Delivery Group No. 20K0801 were flagged as having a high bias in one LCS sample and one LCS duplicate sample. LCS sample BK01169-BS1 and LCS duplicate sample BK01167-BSD1 had a high bias flag for chloromethane and dichlorodifluoromethane. LCS duplicate samples BK01167-BSD1 and BK01249-BSD1 had a low bias flag for

tert-butylbenzene. Bromomethane was flagged with a QR-02 ("Non-dir.") qualifier in LCS duplicate sample BK01169-BSD1.

Organic Analyses of Aqueous Samples

The organic analyses were reviewed for the following QC requirements:

- completeness (verification that all collected samples were analyzed for the requested analytical parameters);
- holding times prior to extraction and analysis;
- blank contamination;
- duplicate precision and accuracy;
- surrogate recovery precision and accuracy;
- laboratory control sample precision and accuracy; and
- overall assessment of data.

The QC parameters for the VOC analyses were within the required QC limits except those otherwise noted above, which were accepted based on percent recoveries and completeness of other data.

Conclusions

The results of the aqueous analyses are acceptable as reported and are considered useable within the limits depicted by the identified data qualifiers.

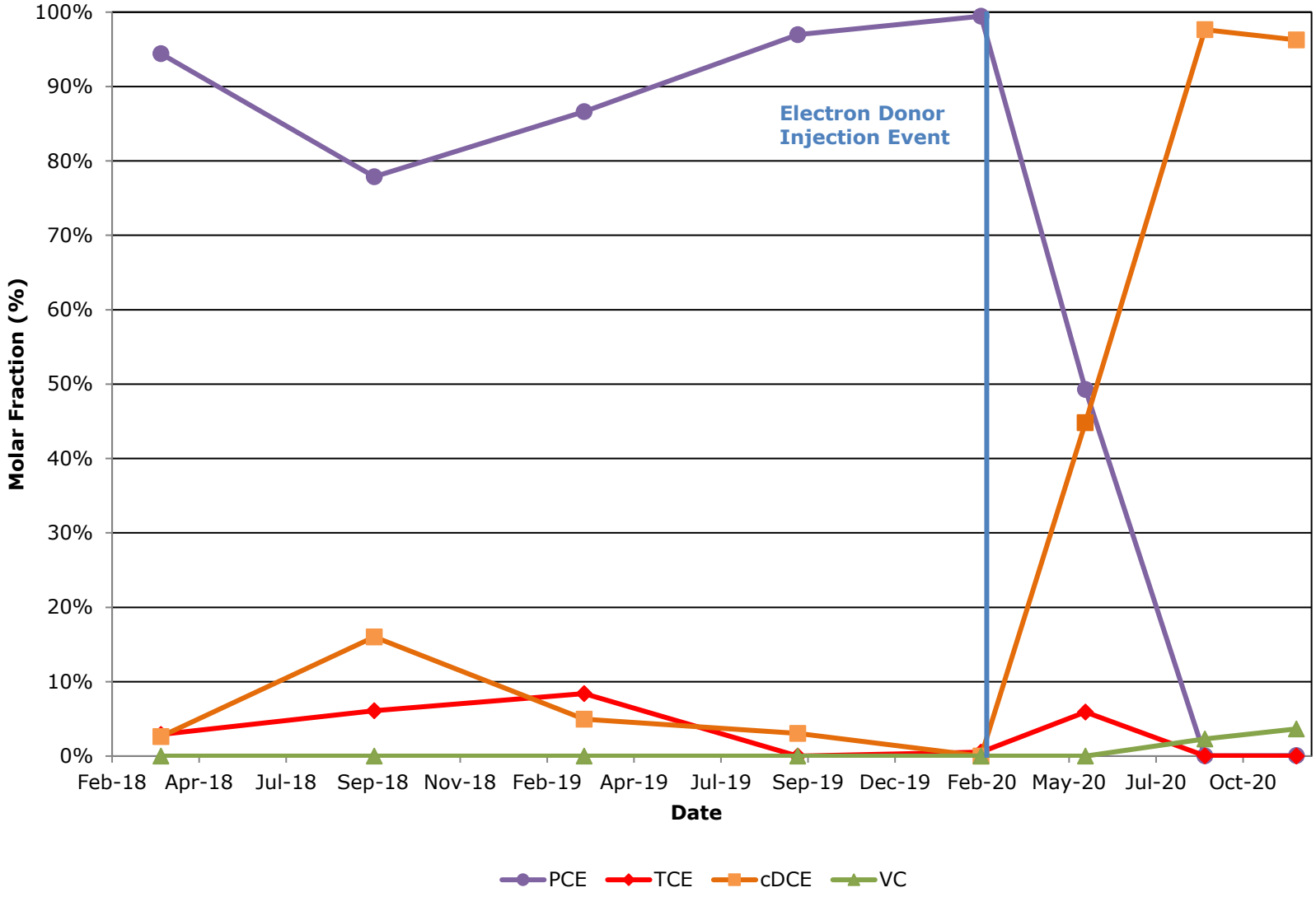
Reference

United States Environmental Protection Agency. 2016. *Data validation standard operating procedures for contact laboratory program organic data using gas chromatograph/mass spectrometer and gas chromatograph/electron capture detector (Rev. 0.0)*: Athens, Georgia, USEPA Region IV, 17 p.

APPENDIX D

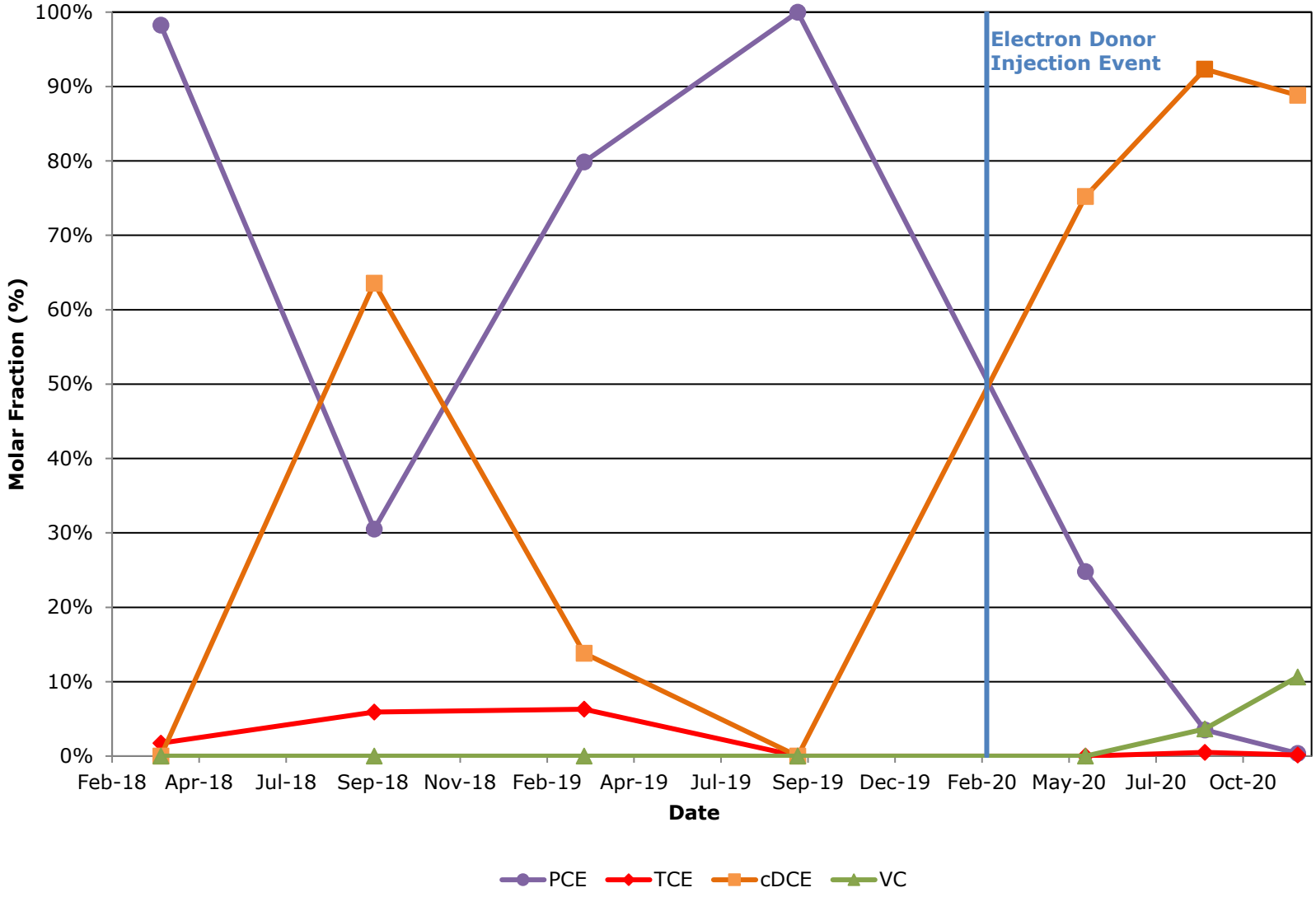
MOLAR FRACTION CHARTS

Figure D-1: Molar Fraction of VOCs at Well FRW-1
Rowe Industries Site - Sag Harbor, New York



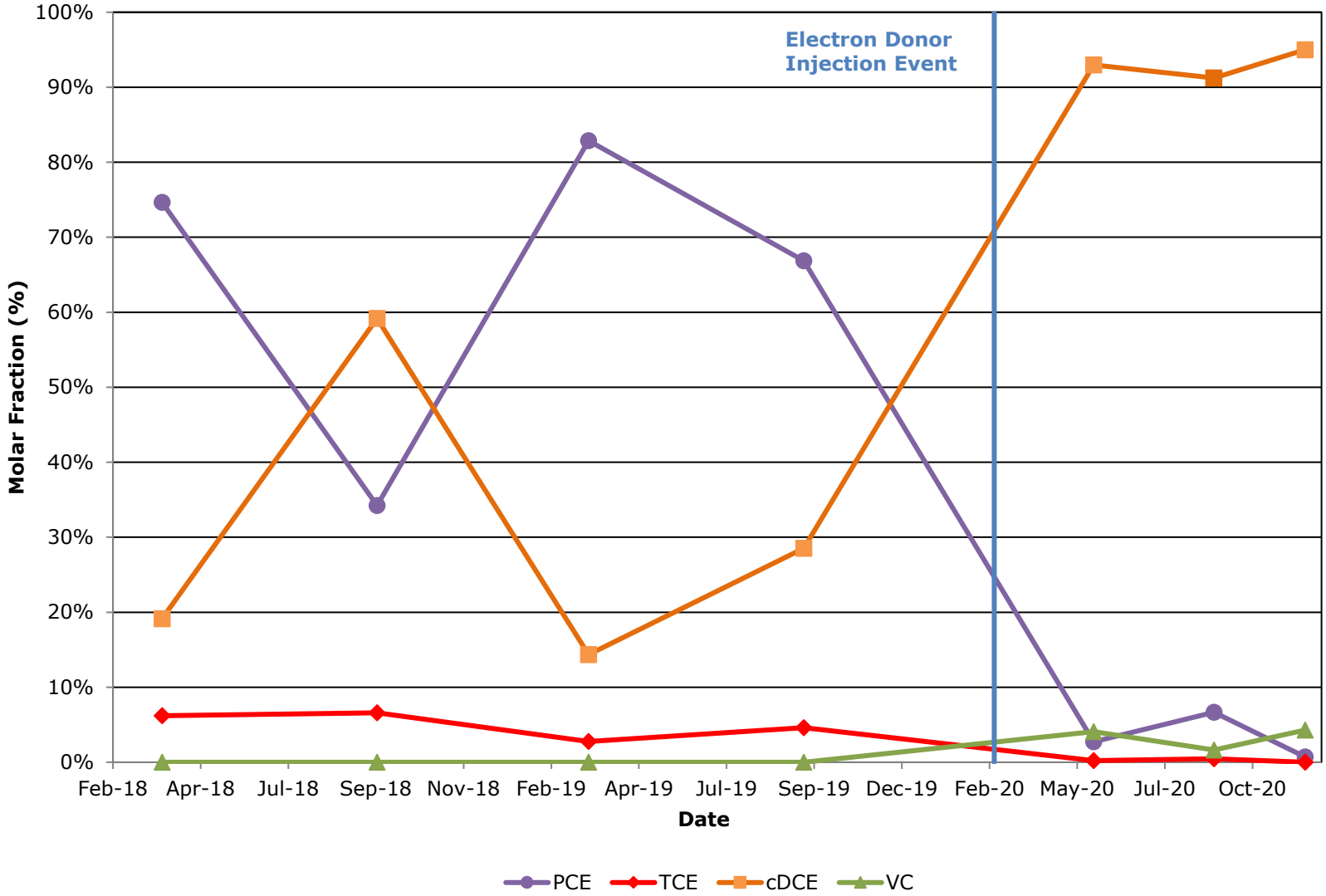
RAMBOLL

Figure D-2: Molar Fraction of VOCs at Well FRW-2
Rowe Industries Site - Sag Harbor, New York



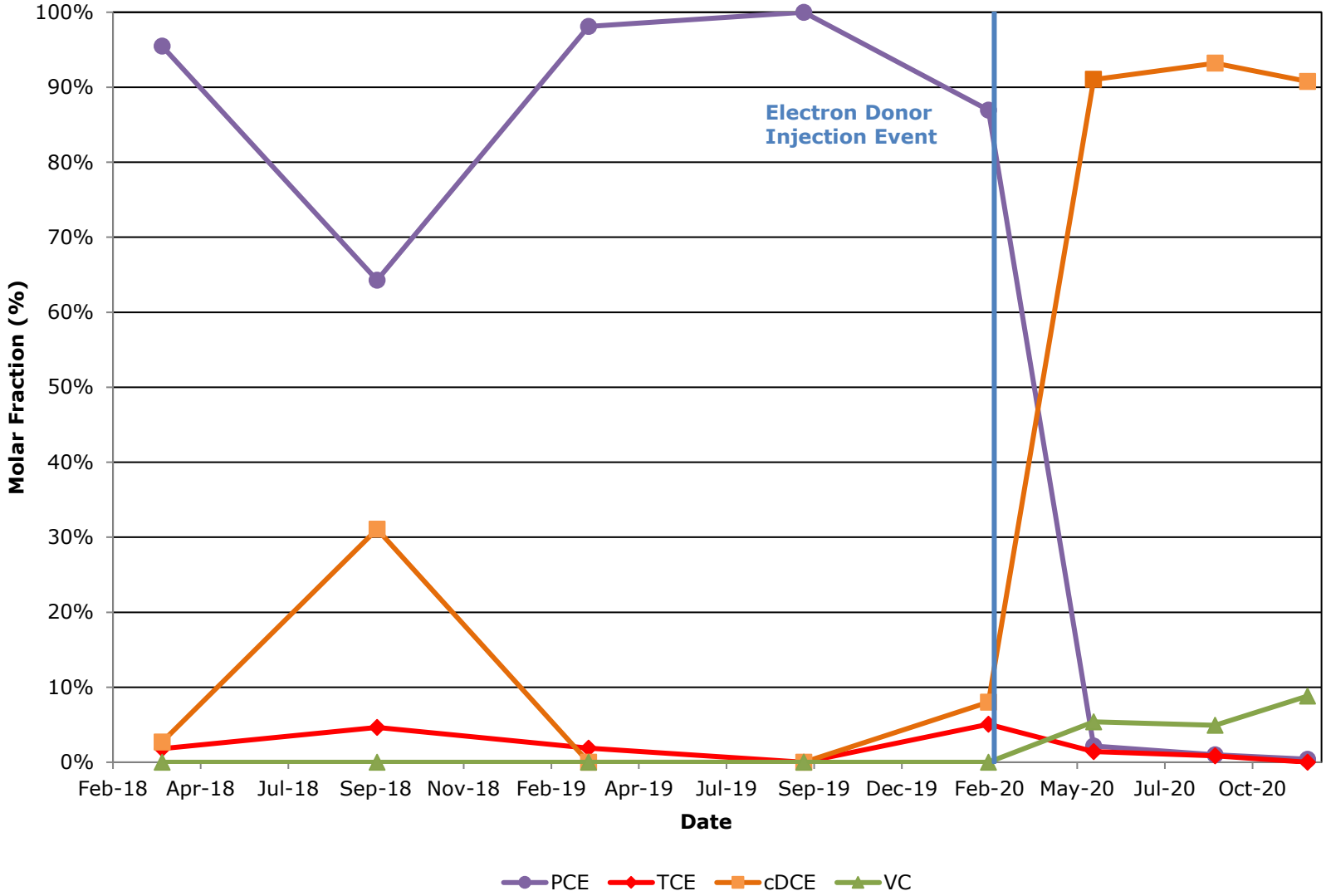
RAMBOLL

Figure D-3: Molar Fraction of VOCs at Well FRW-3
Rowe Industries Site - Sag Harbor, New York



RAMBOLL

Figure D-4: Molar Fraction of VOCs at Well MW-98-05AR
Rowe Industries Site - Sag Harbor, New York



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