RAMBOLL

ENVIRONMENT
& HEALTH

Via E-Mail: Tames.Pam@epa.gov

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FORMER ROWE INDUSTRIES SUPERFUND SITE
NYS SITE ID NO. 152106, SAG HARBOR, NEW YORK

Dear Ms. Tames:

May 24, 2021

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Ref. 1690016505

As a follow-up to our teleconference on May 13, 2021, please find enclosed the March 2021 performance monitoring results for the February 2020 remedial actions designed to treat chemicals of concern (primarily tetrachloroethene and its anaerobic degradation products) in groundwater at the former drum storage area on the Rowe Industries Superfund Site located in Sag Harbor, New York.

As we discussed, given the negligible volatile organic compound (VOC) concentrations detected over the past 2 years in groundwater samples from recovery well RW-2, continued operation of recovery well RW-2 is not warranted. Ramboll therefore recommends that: 1) recovery well RW-2 operations be suspended; and 2) groundwater samples be collected from nearby monitoring wells MW-28A and MW-28B on a semi-annual basis and submitted for laboratory analysis for VOCs. Monitoring wells 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. Ramboll will continue to evaluate the results of future groundwater monitoring events to determine if resumption of recovery well RW-2 operations is warranted.

Ramboll will suspend operation of recovery well RW-2 upon receipt of USEPA's written approval. If you have any questions regarding the information contained herein, please feel free to contact us at your convenience. Thank you very much for your continued assistance with this matter.

Yours sincerely,

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ATTACHMENT

MARCH 2021 PERFORMANCE MONITORING RESULTS

Prepared for:
Kraft Heinz Foods Company

Prepared by:
Ramboll US Consulting, Inc.
Milwaukee, Wisconsin

Date:
May 2021

Project Number:
1690016505

POST-REMEDIAL ACTION
QUARTERLY MONITORING REPORT NO. 4
FORMER DRUM STORAGE AREA
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

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TABLES

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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 (Kraft Heinz), Ramboll US Consulting, Inc. (Ramboll[1]) has prepared this Report to present the March 2021 performance monitoring results for the 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 fourth quarterly monitoring event results since the baseline monitoring was conducted in February 2020. The first quarterly monitoring event was conducted in May 2020, the second quarterly monitoring event was conducted in August and September 2020 (as part of annual groundwater monitoring at the Site), and the third quarterly monitoring event was conducted in November 2020. 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.

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

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 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 included 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 was 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 were also analyzed in the field as part of each sampling event. In addition, monitoring wells MW98-04 and MW-45A were monitored for VOCs.

Subsequent to the February 2020 ISCR/ISB injection event, the groundwater monitoring described above has been 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 remained active and would follow the existing monitoring and operation schedule until post-injection monitoring confirmed 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 March 15 through March 17, 2021: 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 March 2021 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 March 2021 ranged from 17.17 feet at monitoring well MW-28B to 22.35 feet at well MW-58A. As shown on Figure 7, the March 2021 water table elevations ranged from 8.66 to 9.66 feet above mean sea level (AMSL), which are similar to that recorded during previous 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 0.003.

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 March 2021 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 396 µS/cm (at FRW-2) to 1,840 µS/cm (at FRW-3) in March 2021, 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. March 2021 DO concentrations within the treatment zone measured 0.0 mg/L in each of the treatment zone wells, 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 March 2021 ORP of the groundwater samples within the treatment zone ranged from -91 mV (at FRW-3) to -3 mV (at MW-98-05AR), which indicates that the groundwater has transitioned to and persists at 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 March 2021 pH values were higher as they ranged from 6.42 (at MW-98-05AR) to 7.41 (at FRW-4) 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 and maintained 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 on 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, March 2021 TOC concentrations increased to and have

persisted within a range from 39.2 mg/L (at well FRW-1) to 1,010 mg/L (duplicate groundwater sample from well FRW-3). The arithmetic mean TOC concentration increased over two orders-of-magnitude, from 2.33 mg/L in February 2020 to 262 mg/L in March 2021. Therefore, TOC concentrations remain favorable for anaerobic bioremediation within the treatment zone based on the March 2021 data, 13 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, only one of the March 2021 groundwater samples in treatment zone monitoring wells (MW-98-01A) revealed detectable nitrate at a concentration of 0.14 mg/L. Nitrate reducing conditions continue to be present based on the March 2021 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 March 2021 ferrous iron concentrations increased substantially to a range from 97.7 mg/L (at well MW-98-01A) to 639 mg/L (at 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 March 2021 groundwater samples revealed even lower sulfate concentrations (a range between <1 to 5.06 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 March 2021 methane concentrations ranged from 1.3 mg/L (at well MW-98-01A) to 8.5 mg/L (at well FRW-4) in the treatment zone. March 2021 methane concentrations were greater than 1 mg/L in all of the treatment zone monitoring wells. 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. The March 2021 groundwater samples did not contain detectable concentrations of ethene or ethane; ethene and/or ethane may not be detected based on the low residual concentrations of parent CVOCs.

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 March 2021 groundwater sample results is illustrated on Figure 8. As shown on Figure 8, at 13 months post-injection, none of the March 2021 samples contained PCE or TCE concentrations above the New York State Ambient Groundwater Standard of 5 µg/L for PCE and TCE.

As shown on Figure 9, March 2021 groundwater samples from the following monitoring wells contained daughter product cDCE above the New York State Ambient Groundwater Standard of 5 µg/L: FRW-1, FRW-2, FRW-3, MW-98-01A, MW-98-04, and MW-98-05AR. As shown on Figure 10, March 2021 groundwater samples from the following monitoring wells contained daughter product VC above the New York State Ambient Groundwater Standard of 2 µg/L: FRW-1, FRW-2, FRW-3, MW-98-04, and MW-98-05AR.

Enhanced reductive dechlorination facilitates desirable transfer of CVOC mass to the aqueous phase, where it is subject to biotic and abiotic reactions. Such enhanced desorption occurs as a result of several processes, including increased concentration gradients, enhanced partitioning from soil to groundwater due to aqueous-phase carbon flooding, and progressive decrease in the soil organic carbon-water partition coefficient (Koc) for sequential degradation products. Enhanced desorption of PCE is demonstrated by a temporary increase in total chlorinated ethene concentrations for the monitoring wells FRW-1, FRW-2, FRW-3, and MW-98-05AR within the treatment zone. Average total

chlorinated ethenes increased from a baseline average (using data from 2018, 2019, and early 2020) of 344 nanomoles per liter (nM/L) to 2,709 nM/L in August/September 2020. Based on the March 2021 groundwater monitoring data (13 months after the February 2020 injection event), average total ethenes decreased to 565 nM/L, which is 79 percent below the maximum value detected 6 months earlier in August/September 2020. Moreover, none of the March 2021 groundwater samples contained PCE concentrations greater than 0.36J[2] µg/L. These findings are consistent with substantial destruction of chlorinated ethene mass between August 2020 and March 2021.

5.3.6.1 Well FRW-1

Plots of PCE, TCE cDCE and VC concentrations with time are provided in Appendix D. As shown on Figure D-1, between February 2020 and March 2021, the PCE concentration declined from 320 µg/L to <0.2 µg/L, and the TCE concentration decreased from 1.4 µg/L to <0.2 µg/L (after a temporary increase to 42 µg/L during the May 2020 sampling event, likely in response to enhanced reductive dechlorination). The cDCE concentration had increased from <0.2 µg/L to 490 µg/L in November 2020 (likely in response to enhanced reductive dechlorination), followed by a decrease to 20 µg/L in March 2021. The VC concentration increased from <0.2 µg/L to 8.2 µg/L, also likely in response to enhanced reductive dechlorination.

Plots of molar concentrations of parent compounds and dechlorination products are useful in evaluating the effectiveness of enhanced dechlorination. Such a plot for monitoring well FRW-1 is shown on Figure D-2. As shown, the concentration of PCE decreased between February 2020 and March 2021, from about 1,930 nM/L to non-detect. This decrease in PCE concentration has been coupled with a temporary increase in daughter product cDCE, from non-detect to almost 5,780 nM/L by August 2020, followed by a reduction to 206 nM/L by March 2021. The concentration of further daughter product vinyl chloride has increased from non-detect in February 2020 to 192 nM/L in November 2020, followed by a decline to 131 nM/L in March 2021.

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-3, 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 March 2021 groundwater monitoring results, the detected molar fractions at well FRW-1 were as follows: 0% PCE, 0% TCE, 61% cDCE, and 39% 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

As shown on Figure D-4, between September 2019 and March 2021, the PCE concentration decreased from 2.18 µg/L to <0.4 µg/L (after an increase to 13 µg/L during the August/September 2020 sampling event), the TCE concentration returned to non-detect (after a detection of 1.5J[2] µg/L during the August/September 2020 sampling event), the cDCE concentration increased from non-detect to 91 µg/L, and the VC concentration increased from non-detect to 7.1 µg/L.

A molar concentration plot for monitoring well FRW-2 is shown on Figure D-5. As shown, the concentration of PCE decreased between September 2019 and March 2021, from 13.9 nM/L to non-detect. This decrease in PCE concentration has been coupled with a temporary increase in daughter product cDCE, from non-detect to 2,060 nM/L by August 2020, followed by a reduction to 939 nM/L by

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

March 2021. The concentration of further daughter product vinyl chloride has increased from non-detect in September 2019 to 114 nM/L in March 2021.

As shown on Figure D-6, 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 March 2021 groundwater monitoring results, the detected molar fractions at well FRW-2 were as follows: 0% PCE, 0% TCE, 89% cDCE, and 11% 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 March 2021 sampling event results).

5.3.6.3 Well FRW-3

As shown on Figure D-7, between September 2019 and March 2021, the PCE concentration decreased from 6.57 µg/L to <1 µg/L (after increasing to 15 µg/L during the August/September 2020 sampling event), and the TCE concentration remained non-detect (after a detection of 0.81 µg/L during the August/September 2020 sampling event). The cDCE concentration had increased from 1.64 µg/L to 110 µg/L in the November 2020 groundwater sample, followed by a reduction to 33 µg/L in the March 2021 groundwater sample. The VC concentration increased from non-detect to 4.4 µg/L in the March 2021 groundwater sample.

A molar concentration plot for monitoring well FRW-3 is shown on Figure D-8. As shown, the concentration of PCE decreased between September 2019 and March 2021, from about 40 nM/L to non-detect. This decrease in PCE concentration has been coupled with a temporary increase in daughter product cDCE, from 16.9 nM/L to 1,240 nM/L by August 2020, followed by a reduction to 340 nM/L by March 2021. The concentration of further daughter product vinyl chloride has increased from non-detect in September 2019 to 70 nM/L in March 2021.

As shown on Figure D-9, 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 March 2021 groundwater monitoring results, the detected molar fractions at well FRW-3 were as follows: 0% PCE, 0% TCE, 83% cDCE, and 17% 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 March 2021 groundwater sample results.

5.3.6.4 Well MW-98-05AR

As shown on Figure D-10, between February 2020 and March 2021, the PCE concentration decreased from 26J to 0.36J µg/L, and the TCE concentration decreased from 1.2 to 0.50 µg/L. The cDCE concentration had increased from 1.4 to 120 µg/L in the August/September 2020 groundwater sample, followed by a reduction to 39 µg/L in the March 2021 groundwater sample. The VC concentration increased from non-detect to 3.1 µg/L in the March 2021 groundwater sample.

A molar concentration plot for monitoring well FRW-1 is shown on Figure D-11. As shown, the concentration of PCE decreased between February 2020 and March 2021, from 157 nM/L to 2.2 nM/L. This decrease in PCE concentration has been coupled with a temporary increase in daughter product cDCE, from 14.4 nM/L to 1,240 nM/L by August 2020, followed by a reduction to 402 nM/L by March 2021. The concentration of further daughter product vinyl chloride has increased from non-detect in February 2020 to 75.2 nM/L in November 2020, followed by a decline to 49.6 nM/L in March 2021.

As shown on Figure D-12, the 2018 and 2019 (pre-injection) detected molar fractions at well MW-98-05AR ranged from 64 to 100% PCE, 0 to 5% TCE, and 0 to 31% cDCE. Based on the March 2021 groundwater monitoring results, the detected molar fractions at well FRW-3 were as follows: 0.5% PCE, 0.8% TCE, 88% cDCE, and 11% 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 since the August/September 2020 groundwater sampling event.

5.3.6.5 Well FRW-4

Between November 2020 and March 2021, the cDCE concentration has remained within a range between 4.1 and 7.5 µg/L. The March 2021 cDCE concentration was 4.1 µg/L, which is less than the New York State Ambient Groundwater Standard of 5 µg/L.

5.3.6.6 Other Wells

None of the March 2021 groundwater samples from monitoring wells outside of the treatment area contained any CVOC concentrations greater than New York State Ambient Groundwater Standards.

5.3.7 Ketones

Post-injection March 2021 groundwater samples obtained from wells FRW-2, FRW-3, FRW-4, and MW-98-05AR located inside of the groundwater treatment zone contained concentrations of acetone above the New York State Ambient Groundwater Standard of 50 µg/L, ranging as high as 2,100 µg/L, and contained concentrations of 2-butanone above the New York State Ambient Groundwater Standard of 50 µg/L, ranging as high as 2,400 µg/L. Post-injection March 2021 groundwater samples obtained from wells FRW-2 and FRW-3 contained 2-hexanone at concentrations of 75 µg/L and 760 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. Indeed, the maximum concentrations of acetone, 2-butanone and 2-hexanone in groundwater samples from monitoring wells FRW-2 and FRW-4 were detected in August 2020, and have declined since that date. 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 March 2021 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 this post-injection groundwater monitoring event can be summarized as follows:

1. Post-injection March 2021 DO and ORP values in the treatment zone remained substantially lower than the February 2020 baseline values, which is consistent with anaerobic conditions that have been induced and maintained 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 pH values within the treatment zone between February 2020 and March 2021, to persistent levels that are 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 two-orders-of-magnitude higher in March 2021 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 have remained within a range of non-detect to 0.014 mg/L in March 2021 groundwater samples from all of the monitoring wells within the treatment zone.
5. Ferrous iron concentrations increased from less than 0.47 mg/L pre-injection to a range from 97.7 to 639 mg/L in March 2021. 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 anaerobic dechlorination.
6. February 2020 sulfate concentrations detected in the treatment zone monitoring wells ranged from 6.84 to 12.1 mg/L. In response to the February 2020 electron donor injection event, the March 2021 groundwater samples revealed even lower sulfate concentrations (a range between <1 to 5.06 mg/L). These results indicate that sulfate reducing conditions continue to be maintained within the treatment zone.
7. February 2020 baseline methane concentrations in the treatment zone were less than 0.25 mg/L. Post-injection March 2021 methane concentrations ranged from 1.3 to 8.5 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 2020 and March 2021, 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 and March 2021 samples. This encouraging observation is consistent with depletion of precursor PCE and TCE mass.
9. The March 2021 groundwater samples from wells FRW-1, FRW-2, FRW-3, and MW-98-05AR contained VC, which was initially detected in the May 2020 or August/September 2020 groundwater samples. VC was initially detected in FRW-4 and MW-98-04 during the March 2021 groundwater sampling event. 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).
10. None of the March 2021 groundwater samples contained parent compound PCE or TCE concentrations greater than their respective New York State Ambient Groundwater Standard of 5 µg/L.

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
		3/15/2021	21.68	9.32
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
		3/15/2021	20.39	5.16
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
		3/15/2021	20.10	9.26
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	20.98	7.75
		11/17/2020	21.08	7.65
		3/15/2021	19.47	9.26
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
		3/15/2021	17.24	8.66
MW-28B	25.99	5/19/2020	16.58	9.41
		9/4/2020	18.61	7.38
		3/15/2021	17.17	8.82
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
		3/15/2021	18.72	8.72
MW-45B	27.63	5/19/2020	17.98	9.65
		9/4/2020	20.06	7.57
		3/15/2021	NM	NM
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
		3/15/2021	22.35	9.13
MW-58B	31.46	5/19/2020	21.70	9.76
		9/4/2020	23.77	7.69
		3/15/2021	22.32	9.14
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
		3/15/2021	21.14	9.33
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
		3/15/2021	18.83	9.17
MW-98-04B	27.94	5/19/2020	18.17	9.77
		9/4/2020	20.24	7.70
		3/15/2021	18.76	9.18
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
		3/15/2021	20.49	8.77
MW-98-05BR	29.76	5/19/2020	19.54	10.22
		9/4/2020	21.63	8.13
		3/15/2021	20.10	9.66
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
	3/16/2021	7.27	0.00	-50	446	8.98
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
	3/17/2021	6.80	0.00	-26	396	12.49
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
	3/17/2021	7.01	0.00	-91	1,840	12.73
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
	3/16/2021	7.41	0.00	-89	668	10.95
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
	3/15/2021	6.20	0.00	+121	181	11.38
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
	3/16/2021	7.17	0.00	-42	425	10.57
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
	3/15/2021	6.30	0.00	+80	251	11.24
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
	3/16/2021	6.42	0.00	-3	663	9.79
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		NY State Ambient Groundwater Standards	FRW-1	FRW-1	FRW-1	FRW-1	FRW-1	FRW-1	FRW-2	FRW-2	FRW-2	FRW-2	FRW-3
Field Sample ID			**FRW-1-20200220**	**DUP-20200220**	**FRW-1-200520**	**FRW1-200831**	**FRW1-201118**	**FRW1-210316**	**FRW-2-200520**	**FRW2-200831**	**FRW2-201119**	**FRW2-210317**	**FRW-3-200520**
Lab Sample ID(s)			**20B0768-02; 20B0768-02RE1**	**20B0768-03; 20B0768-03RE1**	**20E0617-09; 20E0617-09RE1**	**20I0209-02; 20I0209-02RE1**	**20K0801-07; 20K0801-07RE1**	**21C0793-04**	**20E0617-07; 20E0617-07RE1**	**20H1216-10; 20H1216-10RE1**	**20K0890-02; 20K0890-02RE1**	**21C0853-02**	**20E0617-08; 20E0617-08RE1**
Sample Method			**Peristaltic Pump**	**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**	**3/16/2021**	**5/20/2020**	**8/31/2020**	**11/19/2020**	**3/17/2021**	**5/20/2020**
Comments				**Field Duplicate**									
WQ													
	Organic Carbon (total)		2170 (1000)	2340 (1000)	687000 (10000)	1110000 (100000)	3250000 (500000)	39200 (10000)	1930000 (100000)	1850000 (100000)	5200000 (500000)	106000 (10000)	868000 (100000)
	Nitrate	10000	166 (50)	179 (50)	U (50)	HU (50)	U (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)	U (50)
	Sulfate	250000	12100 (1000)	11800 (1000)	U (1000)	U (1000)	U (1000)	U (1000)	2300 (1000)	U (1000)	U (1000)	U (1000)	4500 (1000)
VOC													
	Acetone	50	U (1)	U (1)	46 (1)	**230 (20)**	**970 J (10)**	21 (1)	**1200 (20)**	**2600 (50)**	U (1)	**300 (2)**	**97 (5)**
	Benzene	1	U (0.2)	U (0.2)	U (0.2)	0.21 J (0.2)	0.34 J (0.2)	U (0.2)	U (1)	1 J (1)	0.85 (0.2)	U (0.4)	U (1)
	2-Butanone	50	U (0.2)	U (0.2)	49 (0.2)	**580 (4)**	U (0.2)	13 (0.2)	**680 J (1)**	**1700 J (10)**	**1000 (10)**	**230 (0.4)**	**570 J (1)**
	Carbon Disulfide	60	U (0.2)	U (0.2)	0.46 J (0.2)	0.21 J (0.2)	0.73 (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	0.48 J (0.4)	U (1)
	Chloroethane	5	U (0.2)	U (0.2)	U (0.2)	0.24 J (0.2)	0.29 J (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	U (0.4)	U (1)
	Chloroform	7	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	U (0.4)	U (1)
	1,1-Dichloroethane	5	U (0.2)	U (0.2)	U (0.2)	0.69 (0.2)	U (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	U (0.4)	U (1)
	1,2-Dichloroethane	0.6	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	U (0.4)	U (1)
	1,1-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	0.24 J (0.2)	U (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	U (0.4)	U (1)
	cis-1,2-Dichloroethene	5	U (0.2)	U (0.2)	**42 (0.2)**	**560 (4)**	**490 (2)**	**20 (0.2)**	**11 (1)**	**200 (1)**	**88 (10)**	**91 (0.4)**	**120 (1)**
	trans-1,2-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	1.6 J (0.2)	0.81 (0.2)	0.39 J (0.2)	U (1)	U (1)	U (0.2)	U (0.4)	U (1)
	Ethyl Benzene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	0.28 J (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	U (0.4)	U (1)
	2-Hexanone	50	U (0.2)	U (0.2)	3.5 (0.2)	39 (0.2)	**78 (0.2)**	U (0.2)	**150 (1)**	**300 (1)**	**270 (10)**	**75 (0.4)**	**82 (1)**
	4-Methyl-2-pentanone		U (0.2)	U (0.2)	U (0.2)	1.3 (0.2)	1.8 (0.2)	U (0.2)	2.3 J (1)	U (1)	4.4 (0.2)	1.9 (0.4)	U (1)
	Methylene Chloride	5	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (5)	U (5)	U (1)	U (2)	U (5)
	Tetrachloroethene	5	**320 (2)**	**320 (2)**	**79 (0.2)**	0.3 J (0.2)	0.58 (0.2)	U (0.2)	**6.2 (1)**	**13 (1)**	0.63 (0.2)	U (0.4)	**6 (1)**
	Toluene	5	U (0.2)	U (0.2)	U (0.2)	0.61 (0.2)	1.8 (0.2)	0.37 J (0.2)	1.6 J (1)	2.1 J (1)	2.1 (0.2)	3.2 (0.4)	U (1)
	1,1,1-Trichloroethane	5	0.57 (0.2)	0.68 (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (1)	U (1)	U (0.2)	U (0.4)	U (1)
	Trichloroethene	5	1.4 (0.2)	1.4 (0.2)	**7.5 (0.2)**	0.25 J (0.2)	U (0.2)	U (0.2)	U (1)	1.5 J (1)	0.2 J (0.2)	U (0.4)	U (1)
	1,2,4-Trimethylbenzene	5	U (0.2)	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 (0.4)	U (1)
	Vinyl Chloride	2	U (0.2)	U (0.2)	U (0.2)	**8.5 (0.2)**	**12 J (0.2)**	**8.2 (0.2)**	U (1)	**5.1 (1)**	**6.8 (0.2)**	**7.1 (0.4)**	**3.4 J (1)**
	ortho-xylene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	0.34 J (0.2)	U (1)	U (1)	U (0.2)	U (0.4)	U (1)
	Xylenes (total)	5	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	0.68 J (0.6)	U (3)	U (3)	U (0.6)	U (1.2)	U (3)
PDIST													
	Ethane		U (10)	U (10)	U (10)	U (100)	U (10)	U (50)	U (50)	U (200)	U (10)	U (10)	U (100)
	Ethene		U (10)	U (10)	U (10)	U (100)	U (10)	U (50)	U (50)	U (200)	U (10)	U (10)	U (100)
	Methane		U (10)	U (10)	1100 (10)	8800 (100)	5900 (100)	4500 (50)	3200 (50)	18000 (200)	11000 (100)	2200 (10)	4800 (100)
INORG (Dissolved)													
	Iron		U (10)	U (10)	248000 (1000)	1120000 (13900)	715000 (250)	126000 (278)	792000 (1000)	1550000 (13900)	887000 (250)	166000 (278)	621000 (1000)

Notes:
1 All concentrations are presented in ug/L (ppb).
2 Only compounds with at least one detection are shown.

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	NY State Ambient Groundwater Standards	FRW-3	FRW-3	FRW-3	FRW-3	FRW-3	FRW-3	FRW-3	FRW-4	FRW-4	FRW-4	FRW-4
Field Sample ID		**DUP01-200519**	**FRW3-200831**	**DUP01-200831**	**FRW3-201117**	**DUP01-201117**	**FRW3-210317**	**DUP01-210317**	**FRW-4-200520**	**FRW4-200831**	**FRW4-201119**	**FRW4-210316**
Lab Sample ID(s)		**20E0617-05;**	**20H1216-07;**	**20H1216-08;**	**20K0801-02;**	**20K0801-03;**	**21C0853-04;**	**21C0853-05;**	**20E0644-01;**	**20I0209-01;**	**20K0890-05;**	**21C0793-05;**
		20E0617-05RE1	**20H1216-07RE1**	**20H1216-08RE1**	**20K0801-02RE1**	**20K0801-03RE1**	**21C0853-04RE1**	**21C0853-05RE1**	**20E0644-01RE1**	**20I0209-01RE1**	**20K0890-05RE1**	**21C0793-05RE1**
Sample Method		**Peristaltic Pump**	**Peristaltic Pump**	**Peristaltic Pump**	**Peristaltic Pump**	**Peristaltic Pump**	**Peristaltic Pump**	**Peristaltic Pump**	**Peristaltic Pump**	**Peristaltic Pump**	**Peristaltic Pump**	**Peristaltic Pump**
Sample Date		**5/19/2020**	**8/31/2020**	**8/31/2020**	**11/17/2020**	**11/17/2020**	**3/17/2021**	**3/17/2021**	**5/20/2020**	**8/31/2020**	**11/19/2020**	**3/16/2021**
Comments		**Field Duplicate**		**Field Duplicate**		**Field Duplicate**		**Field Duplicate**				
WQ												
Organic Carbon (total)		492000 (10000)	2380000 (100000)	2530000 (100000)	12400000 (500000)	13400000 (500000)	1000000 (20000)	1010000 (20000)	268000 (10000)	352000 (10000)	1200000 (500000)	56300 (10000)
Nitrate	10000	HU (50)	U (50)	U (50)	HU (50)	HU (50)	U (50)	U (50)	U (50)	HU (50)	HU (50)	U (50)
Nitrite	1000	HU (50)	U (50)	U (50)	HU (50)	HU (50)	U (50)	U (50)	U (50)	HU (50)	HU (50)	U (50)
Sulfate	250000	U (1000)	1640 (1000)	1520 (1000)	1880 (1000)	1300 (1000)	U (1000)	U (1000)	4890 (1000)	U (1000)	HU (1000)	U (1000)
VOC												
Acetone	50	30 (1)	**390 J (25)**	**460 (5)**	**1000 (50)**	**980 (25)**	**2000 (20)**	**2100 (25)**	14 (1)	**220 (10)**	U (1)	**78 (1)**
Benzene	1	0.22 J (0.2)	0.55 (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	0.2 J (0.2)
2-Butanone	50	**72 (0.2)**	**1500 J (5)**	**2100 J (5)**	**2200 (10)**	**2200 (5)**	**2200 (4)**	**2400 (5)**	31 (0.2)	**180 (2)**	**150 (2)**	**110 (1)**
Carbon Disulfide	60	0.47 J (0.2)	0.38 J (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	0.69 (0.2)	0.22 J (0.2)	0.38 J (0.2)	0.24 J (0.2)
Chloroethane	5	U (0.2)	U (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Chloroform	7	U (0.2)	U (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
1,1-Dichloroethane	5	2.3 (0.2)	U (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
1,2-Dichloroethane	0.6	U (0.2)	U (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
1,1-Dichloroethene	5	U (0.2)	U (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
cis-1,2-Dichloroethene	5	**100 (0.2)**	**120 (0.2)**	**120 (1)**	**110 (1)**	**110 (1)**	**33 (1)**	**33 (1)**	0.51 (0.2)	**7.5 (0.2)**	4.6 (0.2)	4.1 (0.2)
trans-1,2-Dichloroethene	5	U (0.2)	U (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Ethyl Benzene	5	U (0.2)	U (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
2-Hexanone	50	4.8 (0.2)	**300 J (5)**	**400 (1)**	**650 J (1)**	**560 J (1)**	**760 (1)**	**730 (1)**	U (0.2)	28 (0.2)	36 (0.2)	35 (0.2)
4-Methyl-2-pentanone		U (0.2)	2.7 (0.2)	U (1)	4.4 J (1)	4 J (1)	5.6 (1)	5.2 (1)	U (0.2)	2.3 (0.2)	3 (0.2)	U (0.2)
Methylene Chloride	5	U (1)	U (1)	U (5)	U (5)	U (5)	U (5)	U (5)	U (1)	U (1)	U (1)	U (1)
Tetrachloroethene	5	4.4 (0.2)	**15 (0.2)**	**13 (1)**	1.4 J (1)	1.9 J (1)	U (1)	U (1)	1.7 (0.2)	0.33 J (0.2)	0.25 J (0.2)	U (0.2)
Toluene	5	U (0.2)	0.46 J (0.2)	U (1)	U (1)	U (1)	1.4 J (1)	1.5 J (1)	U (0.2)	0.2 J (0.2)	0.39 J (0.2)	0.67 (0.2)
1,1,1-Trichloroethane	5	U (0.2)	U (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Trichloroethene	5	2.7 (0.2)	0.81 (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	0.27 J (0.2)	U (0.2)	U (0.2)	U (0.2)
1,2,4-Trimethylbenzene	5	U (0.2)	U (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Vinyl Chloride	2	U (0.2)	1.4 (0.2)	1.4 J (1)	**3.2 J (1)**	**3 J (1)**	**4.4 (1)**	**4.2 (1)**	U (0.2)	U (0.2)	U (0.2)	0.5 (0.2)
ortho-xylene	5	U (0.2)	U (0.2)	U (1)	U (1)	U (1)	U (1)	U (1)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Xylenes (total)	5	U (0.6)	U (0.6)	U (3)	U (3)	U (3)	U (3)	U (3)	U (0.6)	U (0.6)	U (0.6)	U (0.6)
PDIST												
Ethane		U (10)	U (200)	U (200)	U (10)	U (10)	U (10)	U (10)	U (10)	U (100)	U (10)	U (100)
Ethene		U (10)	U (200)	U (200)	U (10)	U (10)	U (10)	U (10)	U (10)	U (100)	U (10)	U (100)
Methane		740 (10)	29000 (200)	33000 (200)	6300 (100)	8500 (100)	2200 (10)	1500 (10)	U (10)	14000 (100)	33000 (200)	8500 (100)
INORG (Dissolved)												
Iron		113000 (200)	1950000 (13900)	1980000 (13900)	1340000 (2500)	1510000 (2500)	639000 (278)	622000 (278)	223000 (1000)	443000 (13900)	266000 (250)	192000 (278)

Notes:
1 All concentrations are presented in ug/L (ppb).
2 Only compounds with at least one detection are shown.

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		NY State Ambient Groundwater Standards	MW-28A	MW-28B	MW-44A	MW-44B	MW-44C	MW-45A	MW-45A	MW-45A	MW-45A	MW-45A	MW-45B
Field Sample ID			MW28A-200830	MW28B-200830	MW44A-200902	MW44B-200902	MW44C-200902	W-45A-20200220	MW-45A-200519	MW45A-200901	MW45A-201117	MW45A-210315	MW45B-200901
Lab Sample ID(s)			20H1216-04	20H1216-05	20I0209-09	20I0209-07	20I0209-08	20B0768-01	20E0617-01	20I0209-05	20K0801-01	21C0793-02	20I0209-06
Sample Method			Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Bladder Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump
Sample Date			8/30/2020	8/30/2020	9/2/2020	9/2/2020	9/2/2020	2/20/2020	5/19/2020	9/1/2020	11/17/2020	3/15/2021	9/1/2020
Comments													
WQ													
	Organic Carbon (total)		---	---	---	---	---	---	---	---	---	---	---
	Nitrate	10000	---	---	---	---	---	---	---	---	---	---	---
	Nitrite	1000	---	---	---	---	---	---	---	---	---	---	---
	Sulfate	250000	---	---	---	---	---	---	---	---	---	---	---
VOC													
	Acetone	50	3.7 (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	2.2 (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	28 (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)	10 (0.2)
	Carbon Disulfide	60	U (0.2)	0.35 J (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)	0.47 J (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	U (0.2)	U (0.2)	0.52 (0.2)	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)
	1,1-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)
	1,2-Dichloroethane	0.6	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)
	Methylene Chloride	5	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)
	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)
	ortho-xylene	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)
	Xylenes (total)	5	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)
PDIST													
	Ethane		---	---	---	---	---	---	---	---	---	---	---
	Ethene		---	---	---	---	---	---	---	---	---	---	---
	Methane		---	---	---	---	---	---	---	---	---	---	---
INORG (Dissolved)													
	Iron		---	---	---	---	---	---	---	---	---	---	---

Notes:
1 All concentrations are presented in ug/L (ppb).
2 Only compounds with at least one detection are shown.

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		NY State Ambient Groundwater Standards	MW-58A	MW-58B	MW-59A	MW-59B	MW-98-01A	MW-98-01A	MW-98-01A	MW-98-01A	MW-98-01A
Field Sample ID			MW58A-200830	MW58B-200830	MW59A-200903	MW59B-200903	MW-98-01A-20200220	MW-98-01A-200520	MW98-01A-200901	MW98-01A-201118	MW98-01A-210316
Lab Sample ID(s)			20H1216-01	20H1216-06	20I0209-14	20I0209-12	20B0768-05	20E0644-02; 20E0644-02RE1	20I0209-03; 20I0209-03RE1	20K0801-06; 20K0801-06RE1	21C0793-03
Sample Method			Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Bladder Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump
Sample Date			8/30/2020	8/30/2020	9/3/2020	9/3/2020	2/20/2020	5/20/2020	9/1/2020	11/18/2020	3/16/2021
Comments											
WQ											
	Organic Carbon (total)		---	---	---	---	2160 (1000)	84300 (10000)	737000 (10000)	3030000 (500000)	118000 (10000)
	Nitrate	10000	---	---	---	---	1170 (50)	1360 (50)	HU (50)	U (50)	140 (50)
	Nitrite	1000	---	---	---	---	U (50)	U (50)	HU (50)	U (50)	U (50)
	Sulfate	250000	---	---	---	---	8890 (1000)	6380 (1000)	U (1000)	1580 (1000)	5060 (1000)
VOC											
	Acetone	50	U (1)	U (1)	3.6 (1)	U (1)	U (1)	3.7 (1)	**80 (1)**	32 (1)	20 (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)
	2-Butanone	50	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	**93 (0.2)**	**220 (1)**	**92 J (2)**	U (0.2)
	Carbon Disulfide	60	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	0.3 J (0.2)	0.85 (0.2)	0.32 J (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)
	Chloroform	7	U (0.2)	1.4 (0.2)	U (0.2)	0.94 (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)	U (0.2)
	1,2-Dichloroethane	0.6	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	**0.74 (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)
	cis-1,2-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	1.9 (0.2)	0.4 J (0.2)	**5.9 (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)
	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)
	2-Hexanone	50	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	7.1 J (0.2)	7.3 (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)	0.71 (0.2)	U (0.2)
	Methylene Chloride	5	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)
	Tetrachloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	4.1 (0.2)	2.2 (0.2)	**7 (0.2)**	**5.1 (0.2)**	5 (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)
	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)
	Trichloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	0.49 J (0.2)	0.69 (0.2)	0.26 J (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)
	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)
	ortho-xylene	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)
	Xylenes (total)	5	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)
PDIST											
	Ethane		---	---	---	---	U (10)	U (10)	U (10)	U (10)	U (10)
	Ethene		---	---	---	---	U (10)	U (10)	U (10)	U (10)	U (10)
	Methane		---	---	---	---	250 (10)	47 (10)	2100 (10)	1700 (10)	1300 (10)
INORG (Dissolved)											
	Iron		---	---	---	---	232 (10)	61000 (200)	297000 (13900)	203000 (250)	97700 (278)

Notes:
1 All concentrations are presented in ug/L (ppb).
2 Only compounds with at least one detection are shown.

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		NY State Ambient Groundwater Standards	MW-98-04	MW-98-04	MW-98-04	MW-98-04	MW-98-04	MW-98-04B	MW-98-05AR	MW-98-05AR
Field Sample ID			MW-98-04-20200219	MW-98-04-200519	MW98-04-200830	MW98-04-201119	MW98-04A-210315	MW98-04B-200830	W-98-05AR-20200219	MW-98-05AR-200519
Lab Sample ID(s)			20B0740-02	20E0617-02	20H1216-02	20K0890-01; 20K0890-01RE1	21C0793-01	20H1216-03	20B0740-01	20E0617-03; 20E0617-03RE1
Sample Method			Bladder Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Bladder Pump	Peristaltic Pump
Sample Date			2/19/2020	5/19/2020	8/30/2020	11/19/2020	3/15/2021	8/30/2020	2/19/2020	5/19/2020
Comments										
WQ										
	Organic Carbon (total)		---	---	---	---	---	---	2660 (1000)	220000 (10000)
	Nitrate	10000	---	---	---	---	---	---	649 (50)	HU (50)
	Nitrite	1000	---	---	---	---	---	---	U (50)	HU (50)
	Sulfate	250000	---	---	---	---	---	---	6840 (1000)	U (1000)
VOC										
	Acetone	50	U (1)	3.6 (1)	27 (1)	**90 (5)**	1.9 J (1)	U (1)	U (1)	26 (1)
	Benzene	1	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	0.21 J (0.2)
	2-Butanone	50	U (0.2)	4 J (0.2)	25 (0.2)	5.3 (0.2)	U (0.2)	U (0.2)	U (0.2)	**86 J (0.2)**
	Carbon Disulfide	60	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	0.55 (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)	2.3 (0.2)
	1,2-Dichloroethane	0.6	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)	4 (0.2)	0.28 J (0.2)	U (0.2)	**15 (0.2)**	U (0.2)	1.4 (0.2)	**110 (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)	0.23 J (0.2)	1.6 (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	3.7 (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)
	Methylene Chloride	5	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)
	Tetrachloroethene	5	U (0.2)	4.9 (0.2)	2.4 (0.2)	1.3 (0.2)	2.3 (0.2)	U (0.2)	**26 J (0.2)**	4.5 (0.2)
	Toluene	5	U (0.2)	U (0.2)	**65 (0.2)**	1.3 (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)	3.5 (0.2)	U (0.2)
	Trichloroethene	5	U (0.2)	0.24 J (0.2)	U (0.2)	U (0.2)	0.2 J (0.2)	U (0.2)	1.2 (0.2)	2.3 (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)	**7.9 (0.2)**	U (0.2)	U (0.2)	**4.2 J (0.2)**
	ortho-xylene	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)
	Xylenes (total)	5	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)
PDIST										
	Ethane		---	---	---	---	---	---	U (10)	U (10)
	Ethene		---	---	---	---	---	---	U (10)	U (10)
	Methane		---	---	---	---	---	---	250 (10)	750 (10)
INORG (Dissolved)										
	Iron		---	---	---	---	---	---	465 (10)	122000 (200)

Notes:
1 All concentrations are presented in ug/L (ppb).
2 Only compounds with at least one detection are shown.

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.

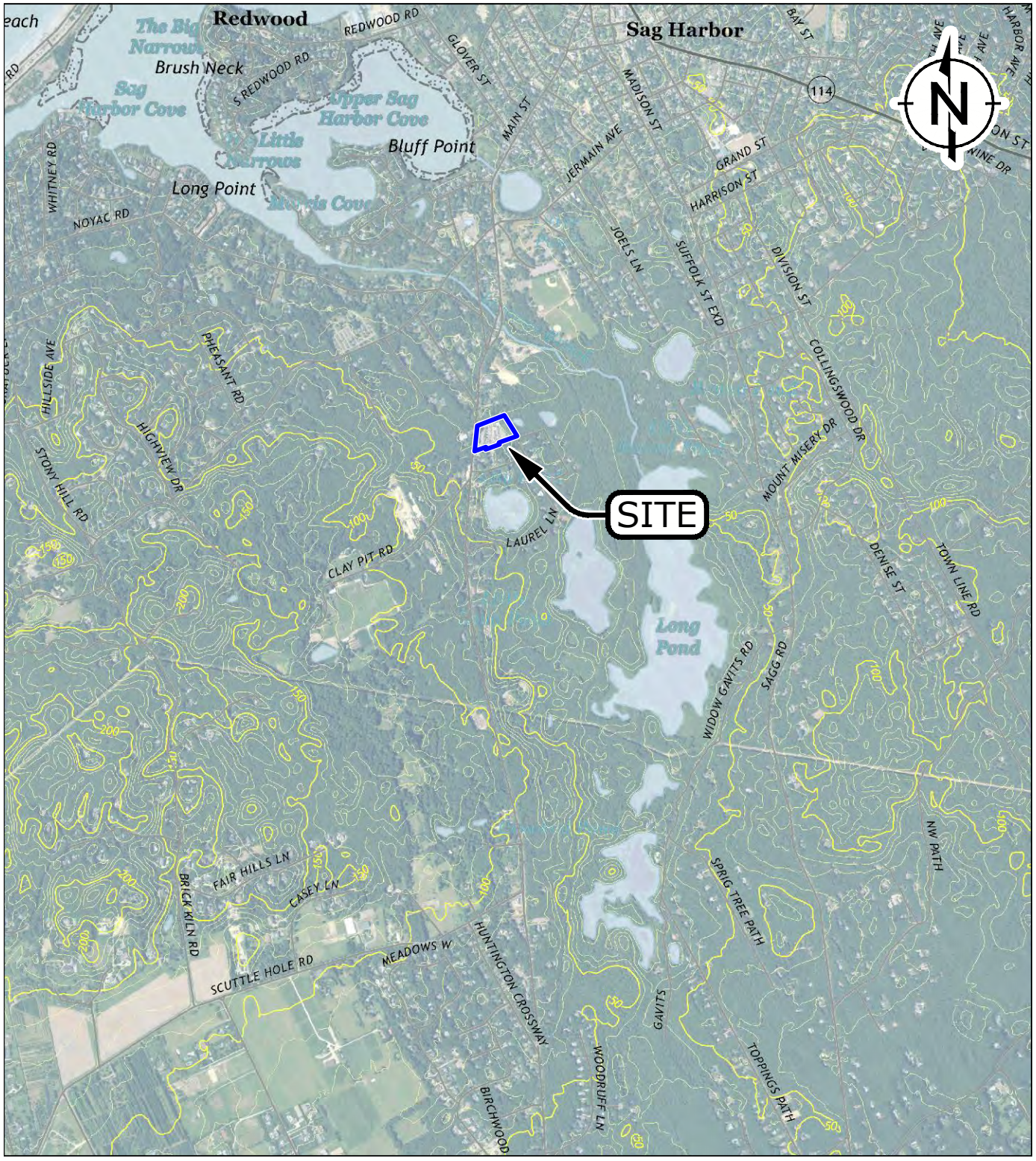
TABLE 3
Summary of Groundwater Sampling Results
Former Rowe Industries Superfund Site
Sag Harbor, New York

	Location		MW-98-05AR	MW-98-05AR	MW-98-05AR	N-32	N-32B	QAQC
	Field Sample ID		MW98-05AR-200901	MW-98-05A-201119	MW98-05AR-210316	N32-200902	N32B-200902	FB01-210317
	Lab Sample ID(s)		20I0209-04; 20I0209-04RE1	20K0890-03; 20K0890-03RE1	21C0853-01; 21C0853-01RE1	20I0209-10	20I0209-11	21C0853-03
	Sample Method	NY State Ambient Groundwater Standards	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump
	Sample Date		9/1/2020	11/19/2020	3/16/2021	9/2/2020	9/2/2020	3/17/2021
	Comments							
WQ								
	Organic Carbon (total)		856000 (10000)	6210000 (500000)	255000 (10000)	---	---	U (1000)
	Nitrate	10000	HU (50)	U (50)	U (50)	---	---	U (50)
	Nitrite	1000	HU (50)	U (50)	U (50)	---	---	U (50)
	Sulfate	250000	U (1000)	1230 (1000)	U (1000)	---	---	U (1000)
VOC								
	Acetone	50	**120 (1)**	U (1)	**190 (10)**	U (1)	U (1)	U (1)
	Benzene	1	U (0.2)	0.41 J (0.2)	0.64 (0.2)	U (0.2)	U (0.2)	U (0.2)
	2-Butanone	50	**270 (2)**	**930 (5)**	**270 (2)**	U (0.2)	U (0.2)	0.84 J (0.2)
	Carbon Disulfide	60	U (0.2)	0.21 J (0.2)	0.21 J (0.2)	U (0.2)	U (0.2)	U (0.2)
	Chloroethane	5	U (0.2)	U (0.2)	0.21 J (0.2)	U (0.2)	U (0.2)	U (0.2)
	Chloroform	7	U (0.2)	U (0.2)	U (0.2)	0.33 J (0.2)	U (0.2)	U (0.2)
	1,1-Dichloroethane	5	0.37 J (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
	1,2-Dichloroethane	0.6	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)
	cis-1,2-Dichloroethene	5	**120 (0.2)**	**75 (0.2)**	**39 (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)
	Ethyl Benzene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
	2-Hexanone	50	8.2 (0.2)	31 (0.2)	30 (0.2)	U (0.2)	U (0.2)	U (0.2)
	4-Methyl-2-pentanone		1.3 (0.2)	3 (0.2)	1.7 (0.2)	U (0.2)	U (0.2)	U (0.2)
	Methylene Chloride	5	U (1)	U (1)	U (1)	U (1)	U (1)	2.3 (1)
	Tetrachloroethene	5	2.2 (0.2)	0.58 (0.2)	0.36 J (0.2)	U (0.2)	U (0.2)	U (0.2)
	Toluene	5	U (0.2)	0.52 (0.2)	1 (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)
	Trichloroethene	5	1.5 (0.2)	U (0.2)	0.5 (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)
	Vinyl Chloride	2	**4.1 (0.2)**	**4.7 (0.2)**	**3.1 (0.2)**	U (0.2)	U (0.2)	U (0.2)
	ortho-xylene	5	U (0.2)	U (0.2)	0.21 J (0.2)	U (0.2)	U (0.2)	U (0.2)
	Xylenes (total)	5	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)	U (0.6)
PDIST								
	Ethane		U (100)	U (10)	U (10)	---	---	U (10)
	Ethene		U (100)	U (10)	U (10)	---	---	U (10)
	Methane		20000 (100)	13000 (100)	1600 (10)	---	---	U (10)
INORG (Dissolved)								
	Iron		438000 (13900)	598000 (250)	255000 (278)	---	---	U (278)

Notes:
1 All concentrations are presented in ug/L (ppb).
2 Only compounds with at least one detection are shown.

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

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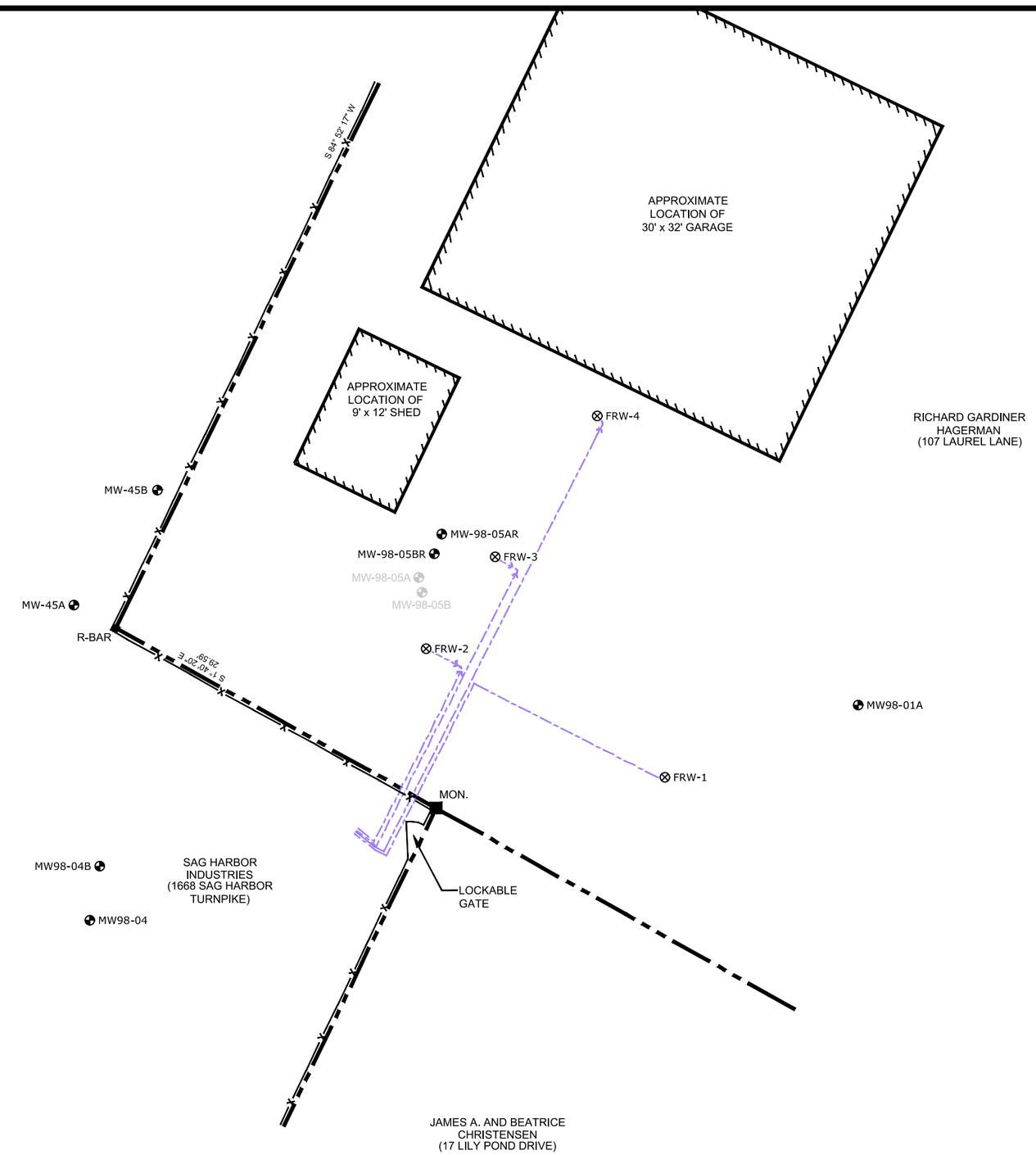

LEGEND

- 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

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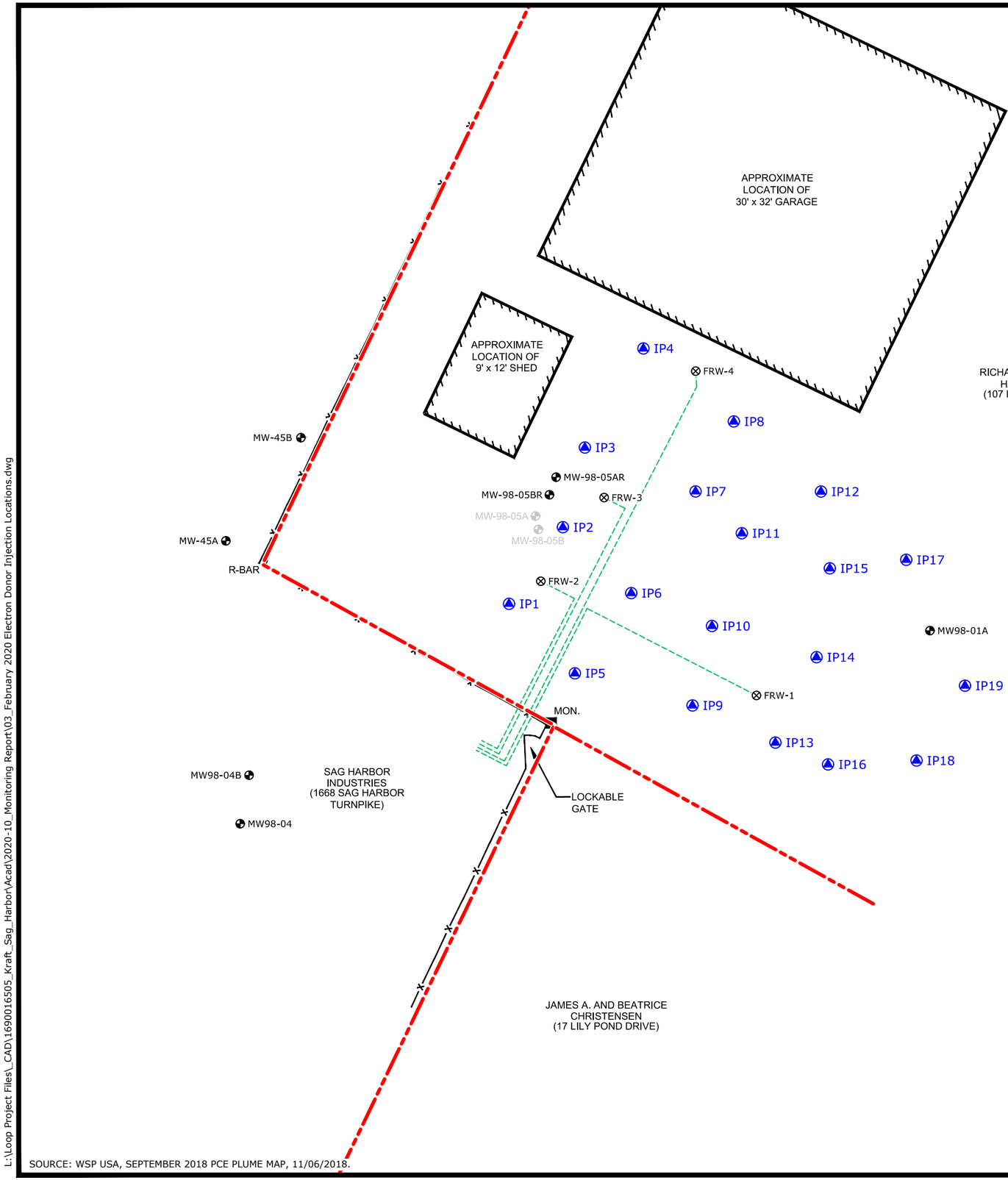

LEGEND

- 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

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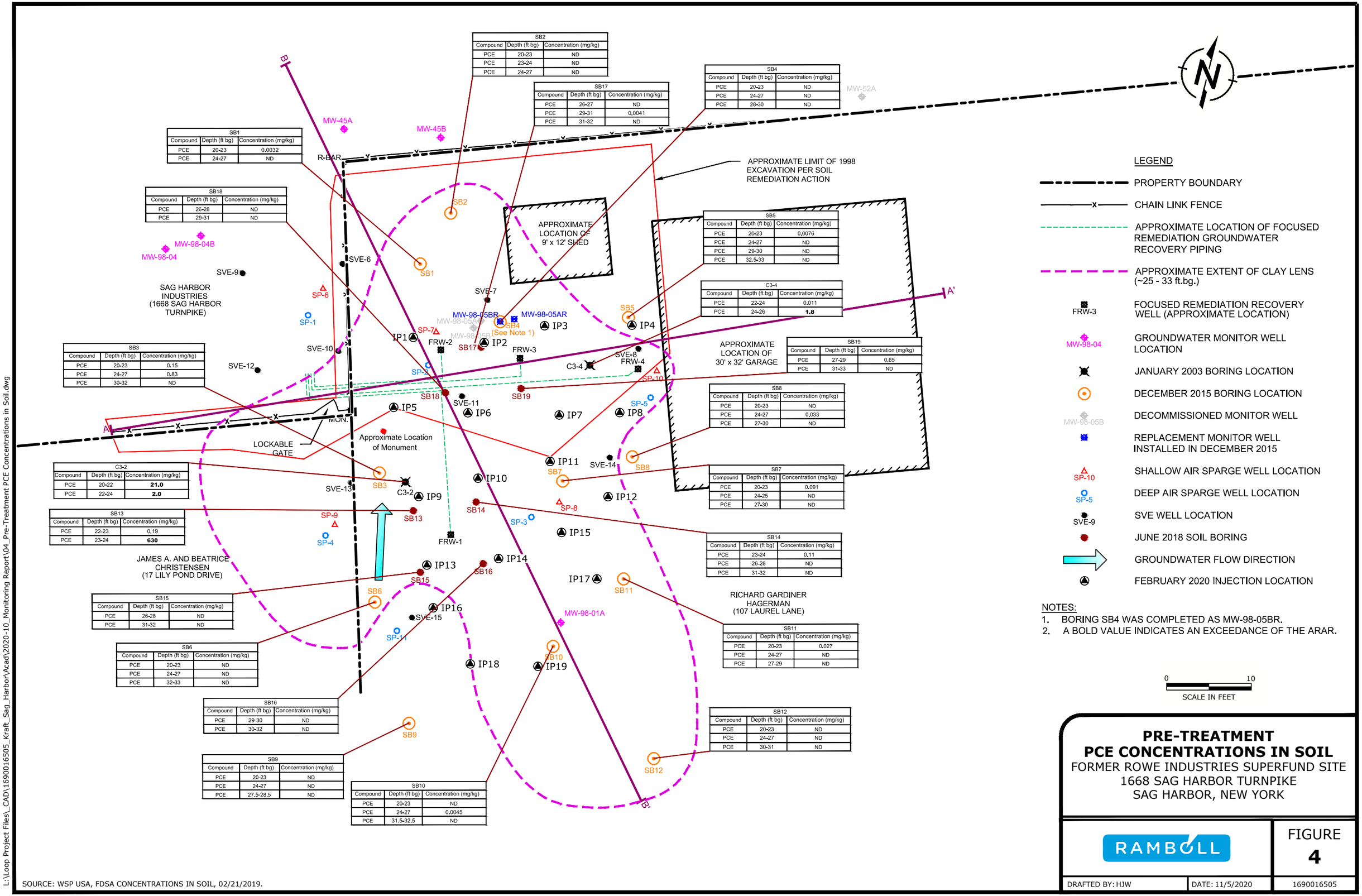


SB2		
Compound	Depth (ft bg)	Concentration (mg/kg)
PCE	20-23	ND
PCE	23-24	ND
PCE	24-27	ND

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

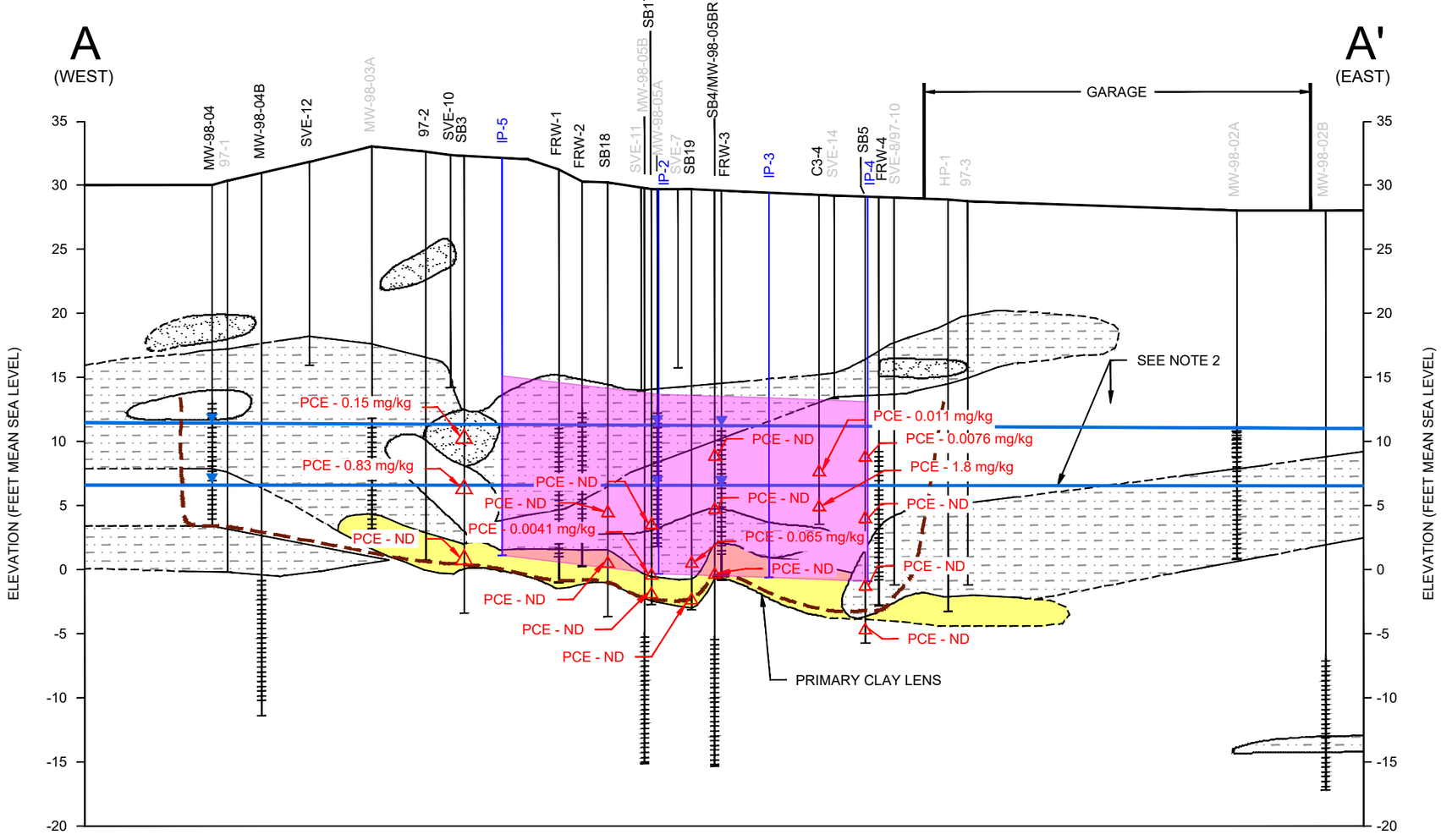
SB6		
Compound	Depth (ft bg)	Concentration (mg/kg)
PCE	20-23	ND
PCE	24-27	ND
PCE	32-33	ND

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



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'

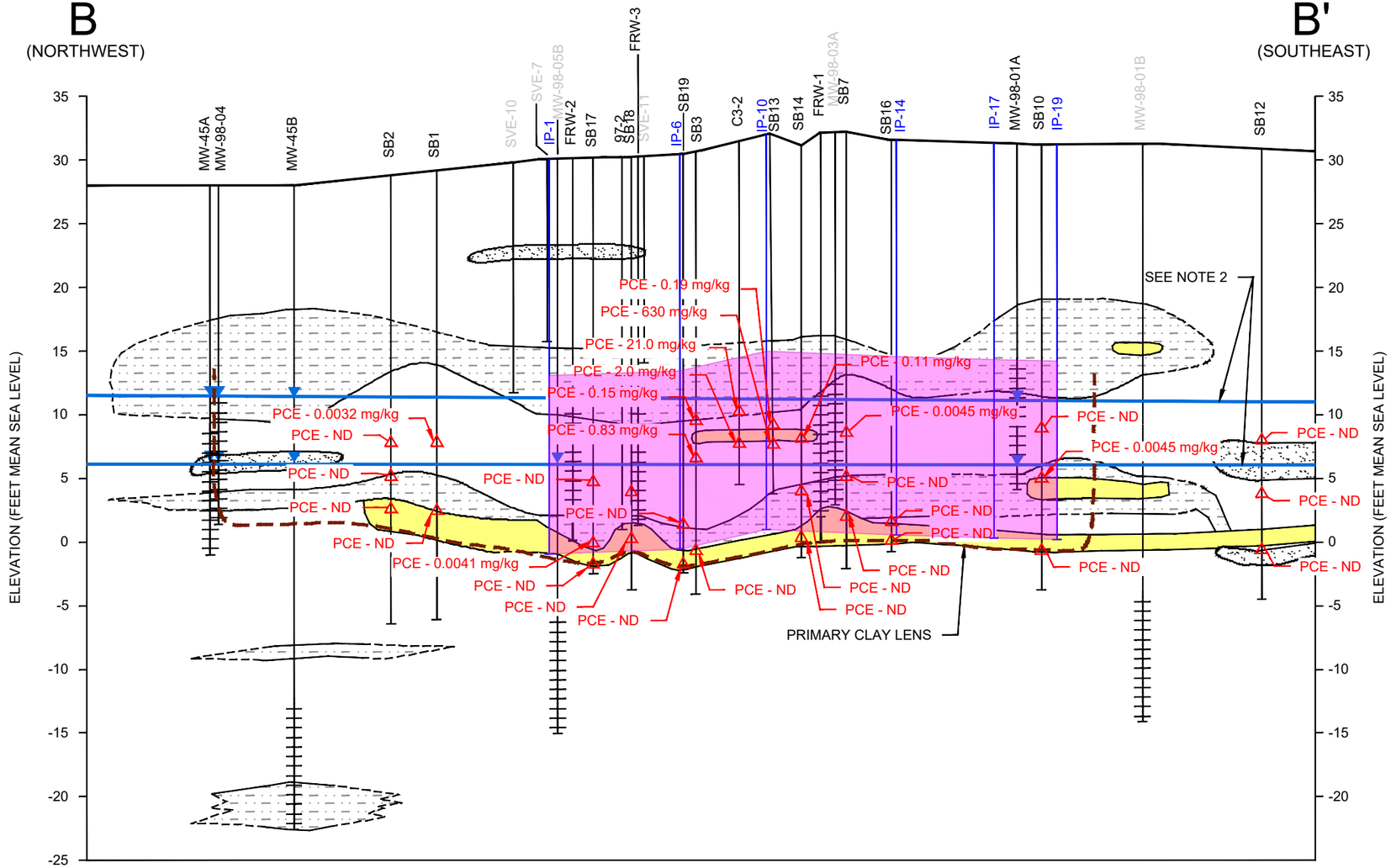
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

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'

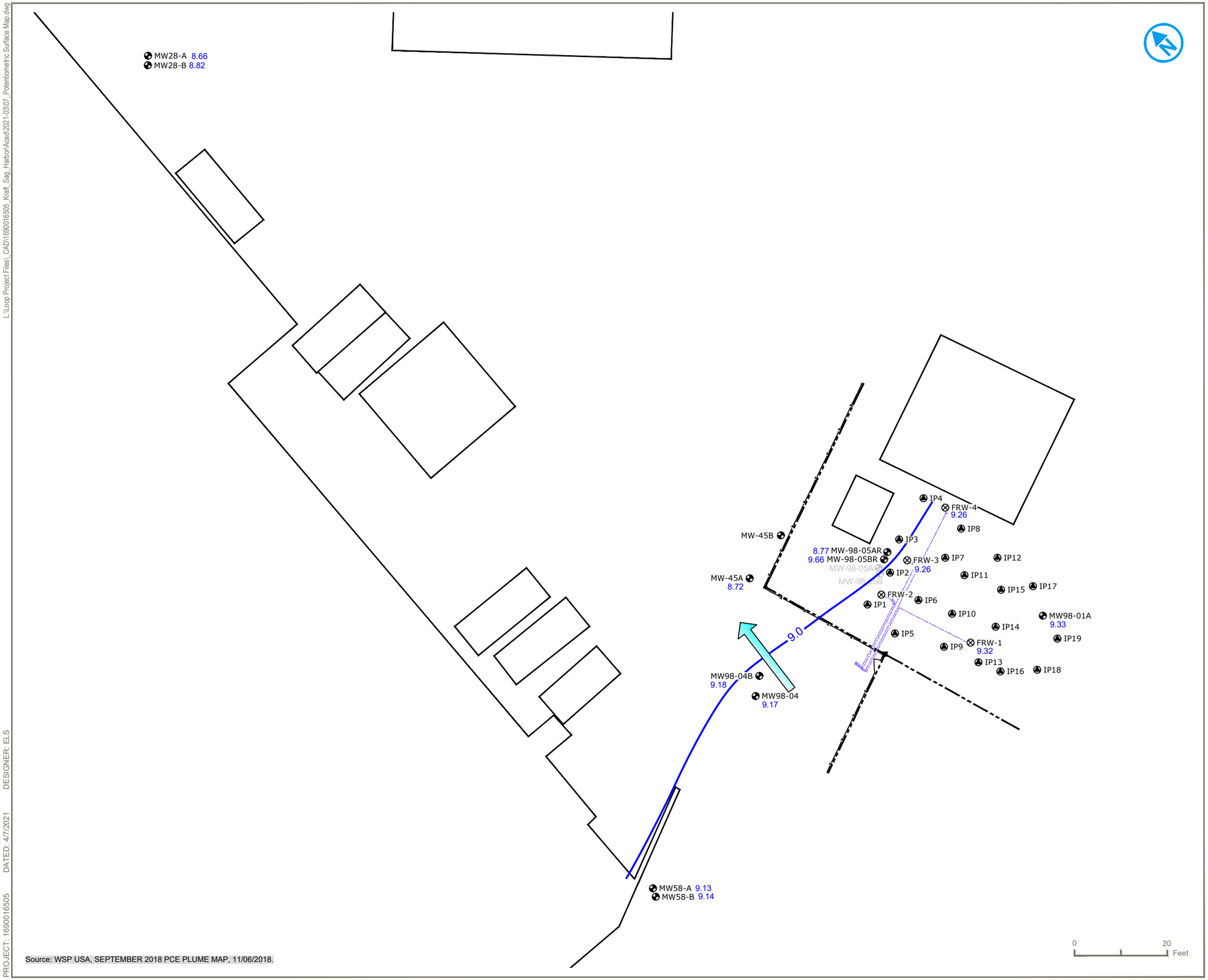
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

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.

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
- 7.66 — POTENTIOMETRIC SURFACE ELEVATION (FT MSL)
- 7.5 — POTENTIOMETRIC SURFACE ELEVATION CONTOUR (0.5-FOOT INTERVALS)
- GROUNDWATER FLOW DIRECTION
- FEBRUARY 2020 INJECTION LOCATION

NOTES:

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

POTENTIOMETRIC SURFACE MAP (MARCH 15, 2021)

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

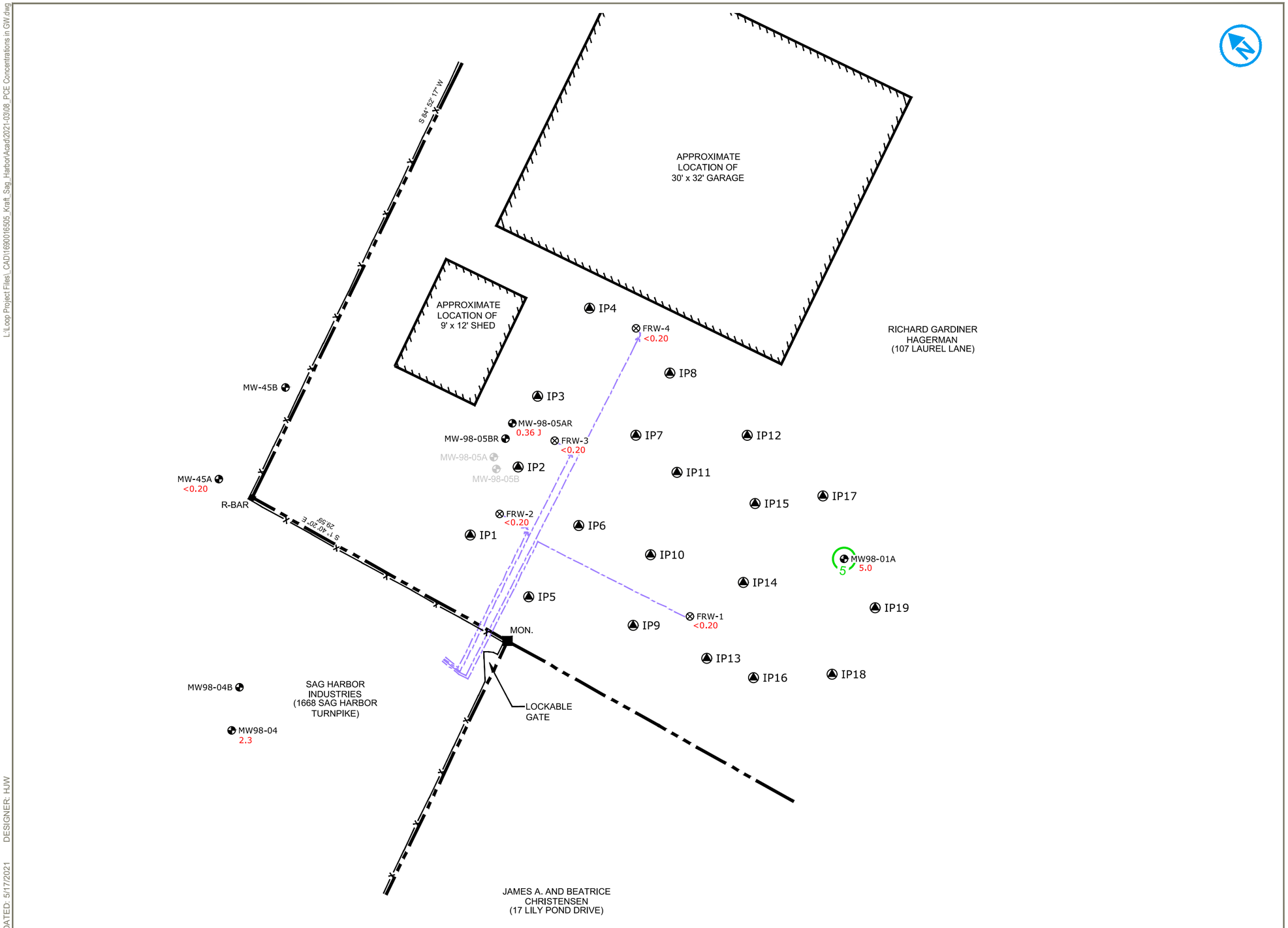
FIGURE 7

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690016505 DATED: 4/7/2021 DESIGNER: ELS

L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2021-03\07_Potentiometric Surface Map.dwg



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

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 CONTOUR (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.

PCE CONCENTRATIONS IN GROUNDWATER (MARCH 15-17, 2021)

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

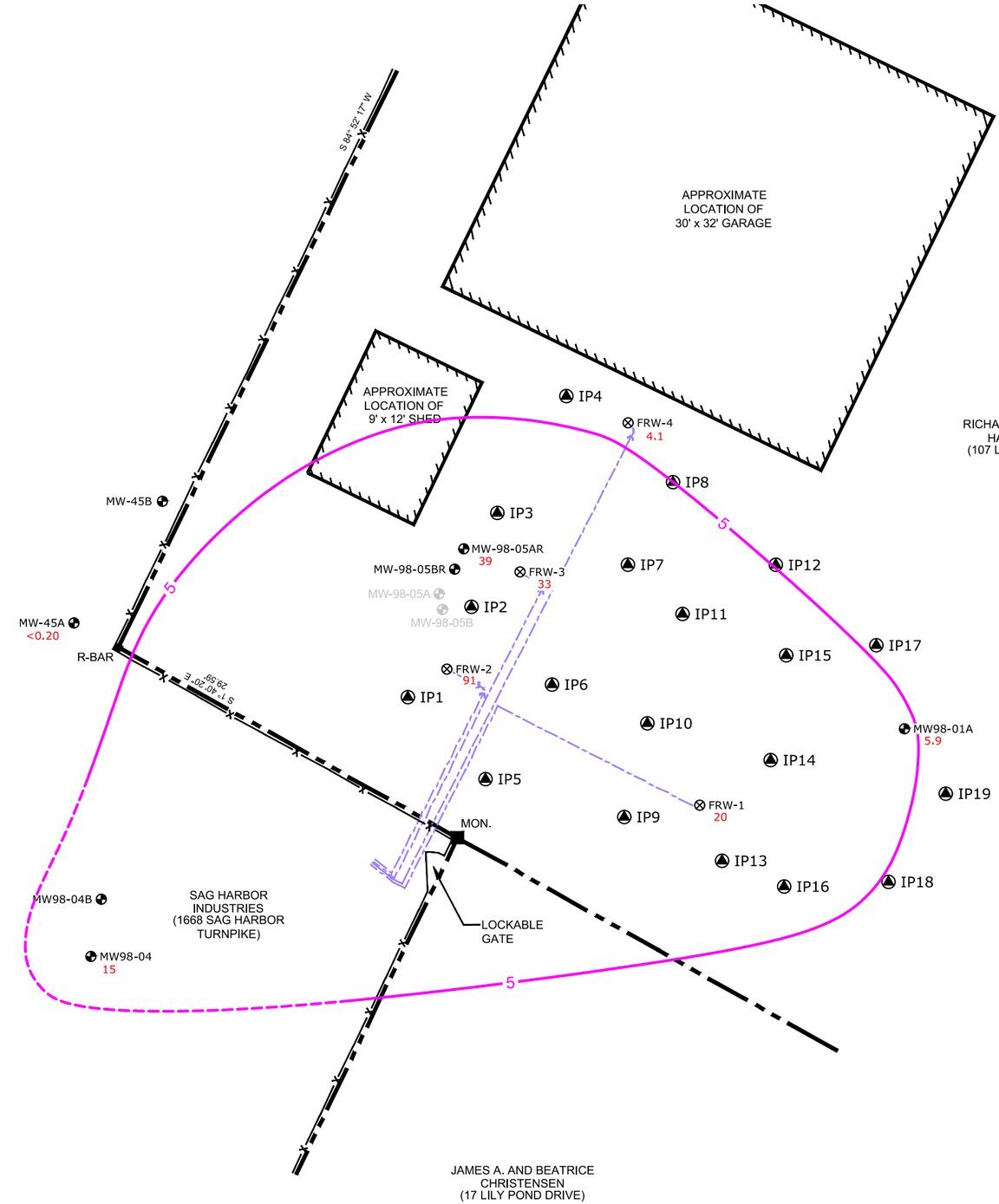
FIGURE 8

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690016505 DATED: 5/17/2021 DESIGNER: HJW

L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2021-03\08_PCE Concentrations in GW.dwg



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

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
- 4.1 — cDCE CONCENTRATION (µg/L)
- NS — NOT SAMPLED
- MW-98-05B — DAMAGED MONITOR WELL DECOMMISSIONED IN DECEMBER 2015
- 5 — cDCE CONCENTRATION CONTOUR (µg/L) (DASHED WHERE INFERRED)
- FEBRUARY 2020 INJECTION LOCATION

NOTE:

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

cDCE CONCENTRATIONS IN GROUNDWATER (MARCH 15-17, 2021)

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

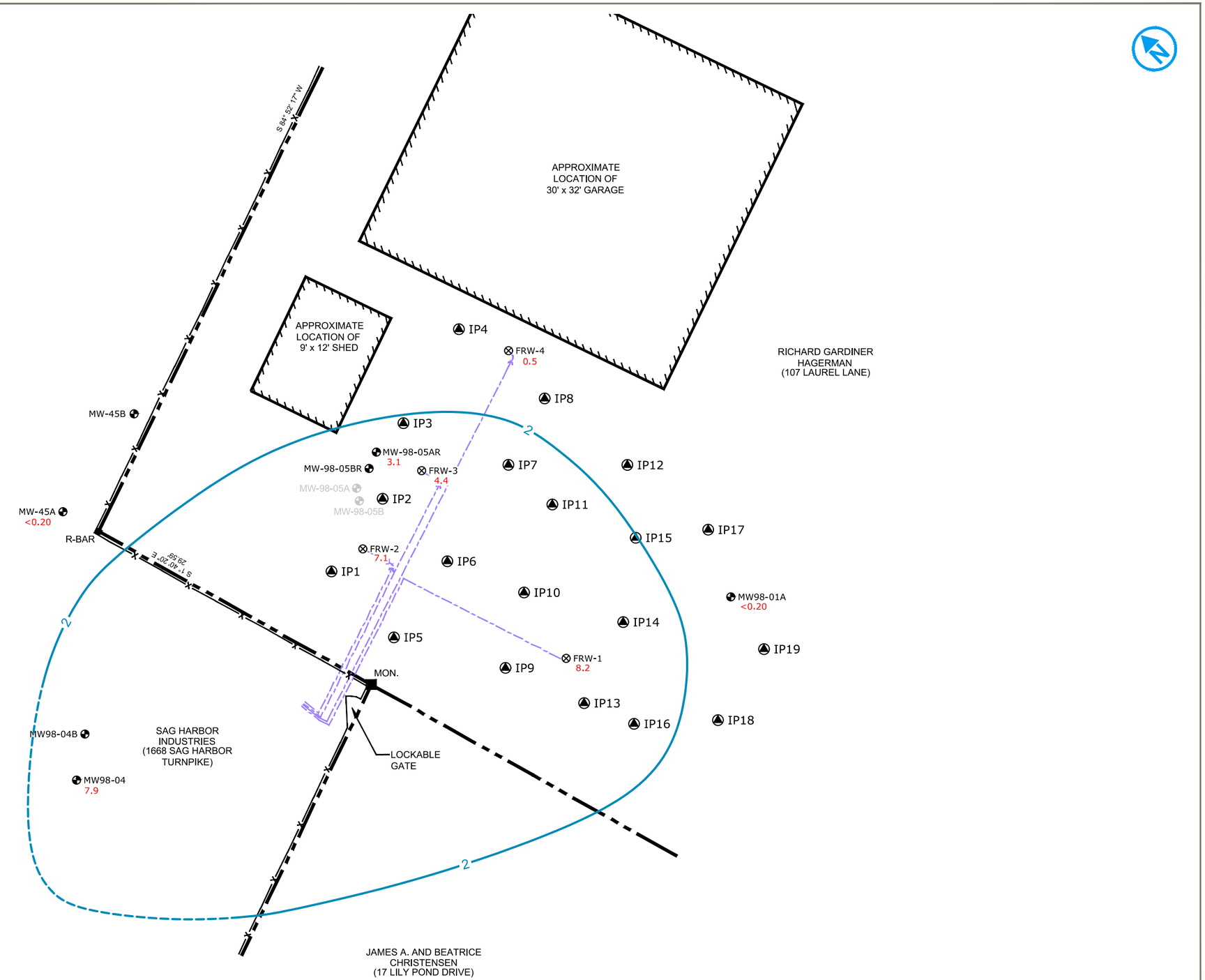
FIGURE 9

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690016505 DATED: 5/17/2021 DESIGNER: HJW

L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2021-03\09_cDCE Concentrations in GW.dwg



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

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
- 4.4 — VC CONCENTRATION (µg/L)
- NS — NOT SAMPLED
- MW-98-05B — DAMAGED MONITOR WELL DECOMMISSIONED IN DECEMBER 2015
- 2 — VC CONCENTRATION CONTOUR (µg/L) (DASHED WHERE INFERRED)
- FEBRUARY 2020 INJECTION LOCATION

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

VC CONCENTRATIONS IN GROUNDWATER (MARCH 15-17, 2021)

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

FIGURE 10

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690016505 DATED: 5/17/2021 DESIGNER: HJW

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APPENDIX A

GROUNDWATER FIELD SAMPLING LOGS

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - FRW1

Site:
Location:

Sampling Information

Date (MM/DD/YY) - 3/16/21
Personnel - M Sweet
Weather - Cloudy 35°F
Sampling Device - ~~Geopump peristaltic~~

Pump Controller - Geopump Peri
Refill - // sec
Discharge - // sec
Pressure - // psi

Well Information

Well Vault PID - ____ ppb
Well Casing PID - 0.7 ~~ppb~~ ppm
Well Diameter - 4" Inches

Measured Depth to Bottom - ____ ft BTOC
Screened Zone - ____ ft BGS
Depth to Pump Intake - 20.00 ft BGS
Pre-Pump (Static) Depth to Water - 21.62 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**
0850	--	250	7.07	0.420	0.0	8.45	-27	0.92	21.90	
0855		250	7.09	0.420	0.0	8.47	-27	0.00	22.08	
1100		250	7.09	0.419	0.0	8.20	-24	6.00	22.84	
1105		200	7.12	0.428	0.0	8.21	-31	0.00	23.01	
1110		200	7.20	0.433	0.0	8.29	-38	0.00	23.00	
1115		200	7.23	0.441	2.1	8.79	-46	0.00	23.00	
1120		200	7.23	0.442	3.0	8.80	-47	0.00	23.33	
1125		200	7.22	0.442	1.4	8.81	-47	0.00	23.33	
1130		200	7.22	0.446	12.6	8.95	-49	6.00	23.50	
1135		200	7.22	0.446	13.0	8.97	-49	6.00	23.5	
1140		200	7.22	0.446	13.1	8.97	-49	6.00	23.5	
1145		200	7.22	0.446	13.5	8.98	-50	6.00	23.51	
1150										
1155										
1200										
0:00	***SAMPLE***	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Sample ID - FRW1-210316
Sample Time - 1156

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~~

Notes - VOC, TOC, ethene ethane methane, NO_3 NO_2 SO_4, Diss Fe

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - FRW2

Site:
Location:

Sampling Information

Date (MM/DD/YY) - 3/17/21
Personnel - MA Sweet
Weather - Overcast 40-50°F
Sampling Device - Geopump peristaltic

Pump Controller - Geopump Peristaltic
Refill - / sec
Discharge - / sec
Pressure - / psi

Well Information

Well Vault PID - ____ ppb
Well Casing PID - 13.1 ~~ppb~~ ppm
Well Diameter - 1/4" Inches

Measured Depth to Bottom - ____ ft BTOC
Screened Zone - ____ ft BGS
Depth to Pump Intake - ____ 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.** L	**Rate** mL/min	**pH** Std	**Cond.** ms/cm	**Turb.** NTU	**Temp.** C	**ORP** mV	**DO** mg/L	**DTW** ft	**Appearance or Comments**
0950	--	256							20.28	
0955		200	6.63	0.392	331	11.20	15	6.00	20.82	
1000		200	6.62	0.391	328	11.20	14	6.06	20.95	
1005		150	6.73	0.374	242	11.31	-5	6.00	21.48	
1010		150	6.72	0.374	222	11.31	-9	6.00	21.74	
1015		150	6.73	0.381	212	11.34	-12	0.00	21.90	
1020		150	6.75	0.384	180	11.56	-16	6.06	22.07	
1025		150	6.78	0.387	162	11.90	-20	0.00	22.24	
1030		150	6.78	0.387	154	12.09	-22	0.00	22.32	
1035		150	6.74	0.389	151	12.14	-23	0.00	22.32	
1040		150	6.79	0.391	151	12.32	-25	0.00	22.45	
1045		150	6.80	0.396	144	12.49	-26	0.00	22.52	
0:00	***SAMPLE***	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Notes / Sample Information

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

Sample ID - FRW2-210317
Sample Time - 1050
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~~
VOC TOC ethene ethane methane NO_3 NO_2 SO_4 Diss Fe

Notes FB01-210317 @ 1025

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - FRW3

Site:
ocation:

ampling Information

Date (MM/DD/YY) - 3/17/21
Personnel - M Street
Weather - Cloudy 50°F
Sampling Device - Geopump peristaltic

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

Well Information

Well Vault PID - _____ ppb
Well Casing PID - 10.2 ~~ppb~~ ppm
Well Diameter - 4" Inches

Measured Depth to Bottom - _____ ft BTOC
Screened Zone - _____ ft BGS
Depth to Pump Intake - 28.00 ft BGS
Pre-Pump (Static) Depth to Water - 20.09 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
1235	--	250							20.09	tan silt/grease
1240		200	6.73	1.12	390	13.82	-48	0.00	20.54	
1245		200	6.84	1.21	359	13.33	-66	0.00	20.75	gray
1250		200	6.91	1.29	257	12.89	-75	0.00	21.05	
1255		200	6.96	1.75	198	12.72	-82	0.00		
1300		200	6.98	1.77	183	12.64	-85	0.00	21.58	
1305		200	6.99	1.81	176	12.56	-88	0.00	21.90	
1310		200	7.01	1.83	172	12.65	-90	0.00	22.09	
1315		200	7.01	1.84	177	12.77	-96	0.00	22.14	
1320		200	7.01	1.84	178	12.78	-90	0.00	22.14	
1325		200	7.01	1.84	177	12.73	-91	0.00	22.14	
1330										
0:00	SAMPLE	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Notes / Sample Information

Sample ID - FRW3-210317
Sample Time - 1330

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~~ VOC, TOC, Petroleum Dist., SO_4 NO_3 NO_2, Diss Fe.

Notes ☆ DUP01-210317 collected @ 1330

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - FRW4

Site:
Location:

Sampling Information

Date (MM/DD/YY) - 3/16/21
Personnel - M Sweet
Weather - Cloudy 35°F
Sampling Device - Geopump peristaltic

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

Well Information

Well Vault PID - ppb
Well Casing PID - 0.2 ~~ppb~~ ppm
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 - 14.50 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
1345	-	200							14.50	
1350		200	6.68	0.000	589	11.89	58	15.11	19.75	
1355		200	7.09	0.612	45.3	11.89	-28	1.40	19.90	
1400		200	7.36	0.652	42.5	11.76	-75	0.00	20.34	
1405		200	7.37	0.653	42.9	11.68	-78	0.00	20.42	
1410		200	7.38	0.655	34.0	11.59	-81	0.00	20.49	
1415		200	7.39	0.656	0.0	11.49	-84	0.00	20.54	
1420		200	7.39	0.657	46.5	11.39	-86	0.00		
1425		200	7.40	0.659	49.5	11.29	-87	0.00	20.66	
1430		200	7.40	0.661	55.6	11.15	-88	0.00	20.66	
1435		200	7.40	0.667	60.5	11.03	-88	0.00	20.69	
1440		200	7.41	0.668	59.1	10.96	-88	0.00	20.71	
1445		200	7.41	0.668	62.7	10.95	-89	0.00	20.72	
0:00	SAMPLE	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Sample ID - FRW4-210316
Sample Time - 1450

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

No

Notes VOC, TOC, ethene ethane methane, NO_2 NO_3 SO_4, Diss Fe

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - MW 45A

Site:
Location:

Sampling Information

Date (MM/DD/YY) - 3/15/2021
Personnel - M Sweet
Weather - clear cold 30°F
Sampling Device - Geopump peristaltic

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

Well Information

Well Vault PID - _____ ppb
Well Casing PID - 0.0 ~~ppb~~ ppm
Well Diameter - 2" Inches

Measured Depth to Bottom - 28.65 ft BTOC
Screened Zone - _____ ft BGS
Depth to Pump Intake - _____ ft BGS
Pre-Pump (Static) Depth to Water - 18.72 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**
1715	--	200							18.72	
1720		200	6.28	0.198	4.0	11.19	100	0.00	18.68	
1725		200	6.24	0.190	0.0	11.49	115	0.00	18.70	
1730		200	6.23	0.190	0.0	11.49	116	0.00	18.70	
1735		200	6.23	0.187	0.0	11.46	119	0.00	18.70	
1740		200	6.22	0.185	0.0	11.54	121	0.00	18.70	
1745		200	6.23	0.182	0.0	11.59	123	0.00	18.70	
1750		200	6.23	0.181	0.0	11.47	122	0.00	18.70	
1755		200	6.21	0.181	0.0	11.44	122	0.00	18.70	
1800		200	6.20	0.181	0.0	11.38	121	0.00	18.70	
0:00	***SAMPLE***	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Notes / Sample Information

Sample ID - MW45A-210315
Sample Time - 1805

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

Notes _____

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - MW 98-01A

Site:
Location:

Sampling Information

Date (MM/DD/YY) - 3/16/21
Personnel - M Sucet
Weather - Partly cloudy 30 °F
Sampling Device - Geopump peristaltic

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

Well Information

Well Vault PID - _____ ppb
Well Casing PID - 1.5 ~~ppb~~ ppm
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 - 21.28 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. L	Rate mL/min	pH Std	Cond. ms/cm	Turb. NTU	Temp. C	ORP mV	DO mg/L	DTW ft	Appearance or Comments
0910	--	200	7.42	0.551	25.4	10.71	-67	0.00	22.3	
0915			7.43	0.549	27.8	10.68	-67	0.00	23.	
0920			7.46	0.531	22.3	10.52	-66	0.00	22.60	
0925			7.42	0.517	19.7	10.60	-65	0.00	22.60	
0930			7.36	0.481	11.0	10.61	-56	0.00	22.60	
0935			7.21	0.450	3.1	10.63	-48	0.00	22.65	
0940			7.20	0.443	3.0	10.70	-46	0.00	22.72	
0945			7.18	0.433	0.6	10.60	-43	0.00	22.70	
0950			7.18	0.428	0.7	10.65	-42	0.00	22.70	
0955			7.17	0.425	0.5	10.57	-42	0.00	22.70	
0:00	***SAMPLE***	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Sample ID - MW 98-01A-210316
Sample Time - 1000
Additional Sample - _____
Additional Sample ID - _____

Notes / Sample Information

Appearance at Start - _____
Appearance After Purging - _____
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~~

Notes VOC, TOC, Ether, ethane, methane, NO_3 NO_2 SO_4, Diss Fe

No

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - MW98-04A

Site:
Location:

Sampling Information

Date (MM/DD/YY) - 3/15/21
Personnel - M. Sweet
Weather - Clear cold 30°F
Sampling Device - Geopump peristaltic

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

Well Information

Well Vault PID - 0.0 ppb
Well Casing PID - 0.0 ~~ppb~~ ppm
Well Diameter - 2 inches

Measured Depth to Bottom - 24.01 ft BTOC
Screened Zone - ft BGS
Depth to Pump Intake - 23.00 ft BGS
Pre-Pump (Static) Depth to Water - 18.83 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**
1610	--	200								clear
1615		250	6.17	0.304	29.1	10.58	146	0.60	18.82	
1620		200	6.22	0.302	24.0	10.52	139	0.32	18.82	
1625		200	6.23	0.301	23.5	10.53	136	0.28	18.83	
1630		200	6.28	0.278	4.6	10.55	108	0.00	18.83	
1635		200	6.29	0.273	5.0	11.52	106	0.00	18.82	
1640		200	6.29	0.261	2.4	11.39	92	0.00	18.82	
1645		200	6.29	0.260	3.2	11.3	91	0.00	18.83	
1650		200	6.30	0.251	1.0	11.27	82	0.00	18.83	
1655		200	6.30	0.251	0.9	11.24	81	0.00	18.83	
1700		200	6.30	0.251	0.9	11.24	80	0.00	18.83	
0:00	***SAMPLE***	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Sample ID - MW98-04A-210315
Sample Time - 1705

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~~

Notes VOC

RAMBOLL

Low Flow Groundwater Sampling Field Log

Monitoring Well - MW98-05AR

Site:
Location:

Sampling Information

Date (MM/DD/YY) - 3/16/2021
Personnel - M Sweet
Weather - Cloudy 32°F
Sampling Device - Geopump peristaltic

Pump Controller - Geopump Peristz 1HZ
Refill - ____ sec
Discharge - ____ sec
Pressure - ____ psi

Well Information

Well Vault PID - ____ ppb
Well Casing PID - 4.4 ppb ppm
Well Diameter - 2" Inches

Measured Depth to Bottom - 26.56 ft BTOC
Screened Zone - ____ ft BGS
Depth to Pump Intake - 2500 ft BGS
Pre-Pump (Static) Depth to Water - 20.55 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
1555	--									
1600		200	7.30	1.12	77.9	7.72	-83	0.00	21.17	
1605		200	7.24	1.18	76.9	7.91	-81	0.00	21.18	
1610		200	7.19	1.23	75.9	8.69	-80	0.00	21.15	
1615		200	6.82	0.924	98.1	9.28	-50	0.00	21.12	
1620		200	6.77	0.916	85.6	9.31	-46	0.00	21.14	
1625		200	6.72	0.895	89.3	9.34	-41	0.00	21.15	
1630		200	6.62	0.814	104	9.41	-32	0.00	21.18	
1635		200	6.57	0.798	99.4	9.48	-27	0.00	21.14	
1640		200	6.38	0.684	59.7	9.78	-8	0.00	21.21	
1645		200	6.38	0.686	55.5	9.77	-8	0.00	21.20	
1650		200	6.38	0.687	53.1	9.80	-8	0.00	21.20	
1655		200	6.38	0.687	36.0	9.80	-8	0.00	21.20	
1700		200	6.37	0.684	39.2	9.85	-7	0.00	21.20	
1705		200	6.70	0.721	68.1	9.77	-7	0.00	21.21	
1710		200	6.49	0.681	58.5	9.84	-5	0.00	21.21	
1715		200	6.48	0.677	58.3	9.88	-4	0.00	21.21	
1720		200	6.45	0.666	33.7	9.85	-3	0.00	21.21	
1725		200	6.43	0.663	36.9	9.83	-3	0.00	21.21	
1730		200	6.42	0.663	34.8	9.79	-3	0.00	21.21	
0:00	SAMPLE	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Notes / Sample Information

Sample ID - MW98-05AR-210316
Sample Time - 1735

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~~

Notes: VOC, TOC, Ethene Ethan Methane, NO_3 NO_2 SO_4, Diss Fe,

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: 04/06/2021
Client Project ID: 1690016505 Kraft Sag Harbor/Frmr Rowe Ind
York Project (SDG) No.: 21C0793

Revision No. 1.0

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: 04/06/2021
Client Project ID: 1690016505 Kraft Sag Harbor/Frmr Rowe Ind
York Project (SDG) No.: 21C0793

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 March 16, 2021 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
21C0793-01	MW98-04A-210315	Water	03/15/2021	03/16/2021
21C0793-02	MW45A-210315	Water	03/15/2021	03/16/2021
21C0793-03	MW98-01A-210316	Water	03/16/2021	03/16/2021
21C0793-04	FRW1-210316	Water	03/16/2021	03/16/2021
21C0793-05	FRW4-210316	Water	03/16/2021	03/16/2021
21C0793-06	TB01-210316	Water	03/16/2021	03/16/2021

General Notes for York Project (SDG) No.: 21C0793

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: 04/06/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW98-04A-210315 **York Sample ID:** 21C0793-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 15, 2021 5:05 pm	03/16/2021

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:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP	03/19/2021 01:30	NRT
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:30	NRT
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT

Sample Information

Client Sample ID: MW98-04A-210315 **York Sample ID:** 21C0793-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 15, 2021 5:05 pm	03/16/2021

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:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
67-64-1	**Acetone**	**1.9**	J, B	ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
156-59-2	**cis-1,2-Dichloroethylene**	**15**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT

Sample Information

Client Sample ID: MW98-04A-210315 **York Sample ID:** 21C0793-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 15, 2021 5:05 pm	03/16/2021

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:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/19/2021 01:30	NRT
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/19/2021 01:30	NRT
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:30	NRT
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:30	NRT
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
127-18-4	**Tetrachloroethylene**	**2.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
79-01-6	**Trichloroethylene**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:30	NRT

Sample Information

Client Sample ID: MW98-04A-210315 **York Sample ID:** 21C0793-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 15, 2021 5:05 pm	03/16/2021

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**	**7.9**		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 01:30	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/18/2021 12:30	03/19/2021 01:30	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

Volatile Organics, Tentatively Identified Cmpds.

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
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C	03/18/2021 12:30	03/19/2021 01:30	NRT
								Certifications:			

Sample Information

Client Sample ID: MW45A-210315 **York Sample ID:** 21C0793-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 15, 2021 6:05 pm	03/16/2021

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	03/18/2021 12:30	03/19/2021 01:57	NRT
								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	03/18/2021 12:30	03/19/2021 01:57	NRT
								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	03/18/2021 12:30	03/19/2021 01:57	NRT
								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	03/18/2021 12:30	03/19/2021 01:57	NRT
								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	03/18/2021 12:30	03/19/2021 01:57	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 01:57	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 01:57	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 01:57	NRT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		

Sample Information

Client Sample ID: MW45A-210315 **York Sample ID:** 21C0793-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 15, 2021 6:05 pm	03/16/2021

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
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57	NRT
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT

Sample Information

Client Sample ID: MW45A-210315 **York Sample ID:** 21C0793-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 15, 2021 6:05 pm	03/16/2021

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
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 01:57	NRT

Sample Information

Client Sample ID: MW45A-210315 **York Sample ID:** 21C0793-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 15, 2021 6:05 pm	03/16/2021

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
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	NRT
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	NRT
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57	NRT
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57	NRT
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	NRT

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

Volatile Organics, Tentatively Identified Cmpds.

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
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 01:57	NRT

Sample Information

Client Sample ID: MW98-01A-210316 **York Sample ID:** 21C0793-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 10:00 am	03/16/2021

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:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 NELAC-NY10854,NELAC-NY12058,NJDEP	NRT
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24	NRT
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
107-06-2	**1,2-Dichloroethane**	**0.74**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT

Sample Information

Client Sample ID: MW98-01A-210316 **York Sample ID:** 21C0793-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 10:00 am	03/16/2021

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
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
67-64-1	**Acetone**	**20**	B	ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
156-59-2	**cis-1,2-Dichloroethylene**	**5.9**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:24	NRT

Sample Information

Client Sample ID: MW98-01A-210316 **York Sample ID:** 21C0793-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 10:00 am	03/16/2021

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	NRT
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	NRT
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24	NRT
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24	NRT
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
127-18-4	**Tetrachloroethylene**	**5.0**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
79-01-6	**Trichloroethylene**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT

Sample Information

Client Sample ID: MW98-01A-210316 **York Sample ID:** 21C0793-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 10:00 am	03/16/2021

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
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	NRT

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*111 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*79-122*

Volatile Organics, Tentatively Identified Cmpds.

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
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:24	NRT

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**	**1300**		ug/L	10	1	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 13:23	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 13:23	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 13:23	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**	**97.7**		mg/L	0.278	1	EPA 200.7 Certifications:	03/22/2021 09:24	03/23/2021 09:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	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**	**0.140**		mg/L	0.0500	1	EPA 300.0 Certifications:	03/16/2021 15:38	03/17/2021 04:32 NELAC-NY10854,CTDOH,NJDEP,PADEP	MAO

Nitrite as N

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

Sample Information

Client Sample ID: MW98-01A-210316 **York Sample ID:** 21C0793-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 10:00 am	03/16/2021

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	03/16/2021 15:38	03/17/2021 04:32	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**	**5.06**		mg/L	1.00	1	EPA 300.0	03/16/2021 15:38	03/17/2021 04:32	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)	**118**		mg/L	10.0	10	SM 5310C	03/19/2021 08:33	03/19/2021 16:09	JAG
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: FRW1-210316 **York Sample ID:** 21C0793-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 11:50 am	03/16/2021

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	03/18/2021 12:30	03/19/2021 02:50	NRT
								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	03/18/2021 12:30	03/19/2021 02:50	NRT
								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	03/18/2021 12:30	03/19/2021 02:50	NRT
								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	03/18/2021 12:30	03/19/2021 02:50	NRT
								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	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			

Sample Information

Client Sample ID: FRW1-210316 **York Sample ID:** 21C0793-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 11:50 am	03/16/2021

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
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 02:50	NRT
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
78-93-3	**2-Butanone**	**13**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
67-64-1	**Acetone**	**21**	B	ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT

Sample Information

Client Sample ID: FRW1-210316 **York Sample ID:** 21C0793-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 11:50 am	03/16/2021

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
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
156-59-2	**cis-1,2-Dichloroethylene**	**20**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 02:50	NRT

Sample Information

Client Sample ID: **FRW1-210316** **York Sample ID:** **21C0793-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 11:50 am	03/16/2021

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
95-47-6	**o-Xylene**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.37**	J	ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	**trans-1,2-Dichloroethylene**	**0.39**	J	ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**8.2**		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**0.68**	J	ug/L	0.60	1.5	1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Volatile Organics, Tentatively Identified Cmpds.

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
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C	03/18/2021 12:30	03/19/2021 02:50	NRT
								Certifications:			

Sample Information

Client Sample ID: FRW1-210316 **York Sample ID:** 21C0793-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 11:50 am	03/16/2021

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**	**4500**		ug/L	50	5	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 13:32	RB
74-84-0	* Ethane	ND		ug/L	50	5	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 13:32	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	50	5	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 13:32	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**	**126**		mg/L	0.278	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 09:24	03/23/2021 09:41	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	03/16/2021 15:38	03/17/2021 04:56	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	03/16/2021 15:38	03/17/2021 04:56	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	03/16/2021 15:38	03/17/2021 04:56	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)	**39.2**		mg/L	10.0	10	SM 5310C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2021 08:33	03/19/2021 16:09	JAG

Sample Information

Client Sample ID: **FRW4-210316** **York Sample ID:** **21C0793-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 2:50 pm	03/16/2021

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:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP	03/19/2021 03:17	NRT
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 03:17	NRT

Sample Information

Client Sample ID: **FRW4-210316** **York Sample ID:** **21C0793-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 2:50 pm	03/16/2021

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
78-93-3	**2-Butanone**	**110**		ug/L	1.0	2.5	5	EPA 8260C	03/22/2021 12:30	03/22/2021 17:40	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	**2-Hexanone**	**35**		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**78**	B	ug/L	1.0	2.0	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**4.1**		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 03:17	NRT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FRW4-210316 **York Sample ID:** 21C0793-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 2:50 pm	03/16/2021

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT 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:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	**Toluene**	**0.67**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	**Vinyl Chloride**	**0.50**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: FRW4-210316 **York Sample ID:** 21C0793-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 2:50 pm	03/16/2021

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
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/18/2021 12:30	03/19/2021 03:17	NRT

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Volatile Organics, Tentatively Identified Cmpds.

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
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 03:17	NRT

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:	03/24/2021 14:03	03/24/2021 13:43	RB
74-84-0	* Ethane	ND		ug/L	100	10	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 13:43	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	100	10	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 13:43	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**	**192**		mg/L	0.278	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 09:24	03/23/2021 09:44	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	03/16/2021 15:38	03/17/2021 05:21	MAO

Nitrite as N

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

Sample Information

Client Sample ID: FRW4-210316 **York Sample ID:** 21C0793-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 2:50 pm	03/16/2021

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	03/16/2021 15:38	03/17/2021 05:21	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	03/16/2021 15:38	03/17/2021 05:21	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)	**56.3**		mg/L	10.0	10	SM 5310C	03/19/2021 08:33	03/19/2021 16:09	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01-210316 **York Sample ID:** 21C0793-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 3:00 pm	03/16/2021

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	03/18/2021 12:30	03/19/2021 00:37	NRT
								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	03/18/2021 12:30	03/19/2021 00:37	NRT
								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	03/18/2021 12:30	03/19/2021 00:37	NRT
								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	03/18/2021 12:30	03/19/2021 00:37	NRT
								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	03/18/2021 12:30	03/19/2021 00:37	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 00:37	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 00:37	NRT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/18/2021 12:30	03/19/2021 00:37	NRT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		

Sample Information

Client Sample ID: TB01-210316 **York Sample ID:** 21C0793-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 3:00 pm	03/16/2021

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
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37	NRT
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT

Sample Information

Client Sample ID: TB01-210316 **York Sample ID:** 21C0793-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 3:00 pm	03/16/2021

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
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/18/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 00:37	NRT

Sample Information

Client Sample ID: TB01-210316 **York Sample ID:** 21C0793-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0793	1690016505 Kraft Sag Harbor/Frmr Rowe Ind	Water	March 16, 2021 3:00 pm	03/16/2021

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
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	NRT
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	NRT
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37	NRT
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37	NRT
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	NRT
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	NRT

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

Volatile Organics, Tentatively Identified Cmpds.

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
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	03/18/2021 12:30	03/19/2021 00:37	NRT

Analytical Batch Summary

Batch ID: BC11051 **Preparation Method:** EPA 300 **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0793-03	MW98-01A-210316	03/16/21
21C0793-04	FRW1-210316	03/16/21
21C0793-05	FRW4-210316	03/16/21
BC11051-BLK1	Blank	03/16/21
BC11051-BS1	LCS	03/16/21
BC11051-DUP1	Duplicate	03/16/21
BC11051-MS1	Matrix Spike	03/16/21
BC11051-MS2	Matrix Spike	03/16/21

Batch ID: BC11109 **Preparation Method:** EPA 5030B **Prepared By:** NT

YORK Sample ID	Client Sample ID	Preparation Date
21C0793-01	MW98-04A-210315	03/18/21
21C0793-02	MW45A-210315	03/18/21
21C0793-03	MW98-01A-210316	03/18/21
21C0793-04	FRW1-210316	03/18/21
21C0793-05	FRW4-210316	03/18/21
21C0793-06	TB01-210316	03/18/21
BC11109-BLK1	Blank	03/18/21
BC11109-BS1	LCS	03/18/21
BC11109-BSD1	LCS Dup	03/18/21

Batch ID: BC11169 **Preparation Method:** Analysis Preparation **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21C0793-03	MW98-01A-210316	03/19/21
21C0793-04	FRW1-210316	03/19/21
21C0793-05	FRW4-210316	03/19/21
BC11169-BLK1	Blank	03/19/21
BC11169-BS1	LCS	03/19/21
BC11169-BS2	LCS	03/19/21
BC11169-DUP1	Duplicate	03/19/21

Batch ID: BC11255 **Preparation Method:** EPA 5030B **Prepared By:** NT

YORK Sample ID	Client Sample ID	Preparation Date
21C0793-05RE1	FRW4-210316	03/22/21
BC11255-BLK1	Blank	03/22/21
BC11255-BS1	LCS	03/22/21
BC11255-BSD1	LCS Dup	03/22/21

Batch ID: BC11262 **Preparation Method:** EPA 200.7 **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0793-03	MW98-01A-210316	03/22/21
21C0793-04	FRW1-210316	03/22/21
21C0793-05	FRW4-210316	03/22/21
BC11262-BLK1	Blank	03/22/21
BC11262-BS1	LCS	03/22/21
BC11262-DUP1	Duplicate	03/22/21
BC11262-MS1	Matrix Spike	03/22/21
BC11262-PS1	Post Spike	03/22/21

Batch ID: BC11462 **Preparation Method:** Preparation for GC Analysis **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
21C0793-03	MW98-01A-210316	03/24/21
21C0793-04	FRW1-210316	03/24/21
21C0793-05	FRW4-210316	03/24/21
BC11462-BLK1	Blank	03/24/21
BC11462-DUP1	Duplicate	03/24/21

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 BC11109 - EPA 5030B											
Blank (BC11109-BLK1)											Prepared: 03/18/2021 Analyzed: 03/19/2021
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
Tentatively Identified Compounds	0.0		"								
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	6.8	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	"								

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 BC11109 - EPA 5030B											
Blank (BC11109-BLK1)											Prepared: 03/18/2021 Analyzed: 03/19/2021
Isopropylbenzene	ND	0.50	ug/L								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	3.6	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	*10.9*		*"*	*10.0*		*109*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.84*		*"*	*10.0*		*98.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
LCS (BC11109-BS1)											Prepared & Analyzed: 03/18/2021
1,1,1,2-Tetrachloroethane	9.36		ug/L	10.0		93.6	82-126				
1,1,1-Trichloroethane	10.8		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	9.59		"	10.0		95.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.4		"	10.0		124	54-165				
1,1,2-Trichloroethane	9.28		"	10.0		92.8	82-123				
1,1-Dichloroethane	10.7		"	10.0		107	82-129				
1,1-Dichloroethylene	12.1		"	10.0		121	68-138				
1,1-Dichloropropylene	11.0		"	10.0		110	83-133				
1,2,3-Trichlorobenzene	9.79		"	10.0		97.9	76-136				
1,2,3-Trichloropropane	8.78		"	10.0		87.8	77-128				
1,2,4,5-Tetramethylbenzene	13.0		"	10.0		130	85-140				
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	5.73		"	10.0		57.3	45-147				
1,2-Dibromoethane	9.21		"	10.0		92.1	83-124				
1,2-Dichlorobenzene	9.85		"	10.0		98.5	79-123				
1,2-Dichloroethane	10.5		"	10.0		105	73-132				
1,2-Dichloropropane	9.87		"	10.0		98.7	78-126				
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131				
1,3-Dichlorobenzene	9.74		"	10.0		97.4	86-122				
1,3-Dichloropropane	9.41		"	10.0		94.1	81-125				
1,4-Dichlorobenzene	9.72		"	10.0		97.2	85-124				
2,2-Dichloropropane	8.30		"	10.0		83.0	56-150				

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 BC11109 - EPA 5030B											
LCS (BC11109-BS1)								Prepared & Analyzed: 03/18/2021			
2-Butanone	10.3		ug/L	10.0		103	49-152				
2-Chlorotoluene	9.92		"	10.0		99.2	79-130				
2-Hexanone	7.73		"	10.0		77.3	51-146				
4-Chlorotoluene	9.84		"	10.0		98.4	79-128				
4-Methyl-2-pentanone	7.33		"	10.0		73.3	57-145				
Acetone	13.5		"	10.0		135	14-150				
Benzene	10.8		"	10.0		108	85-126				
Bromobenzene	9.63		"	10.0		96.3	78-129				
Bromochloromethane	10.8		"	10.0		108	77-128				
Bromodichloromethane	9.15		"	10.0		91.5	79-128				
Bromoform	6.07		"	10.0		60.7	78-133	Low Bias			
Bromomethane	8.09		"	10.0		80.9	43-168				
Carbon disulfide	11.2		"	10.0		112	68-146				
Carbon tetrachloride	10.4		"	10.0		104	77-141				
Chlorobenzene	9.89		"	10.0		98.9	88-120				
Chloroethane	11.9		"	10.0		119	65-136				
Chloroform	10.7		"	10.0		107	82-128				
Chloromethane	9.81		"	10.0		98.1	43-155				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	9.05		"	10.0		90.5	80-131				
Dibromochloromethane	7.66		"	10.0		76.6	80-130	Low Bias			
Dibromomethane	9.41		"	10.0		94.1	72-134				
Dichlorodifluoromethane	10.8		"	10.0		108	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	16.8		"	10.0		168	67-146	High Bias			
Isopropylbenzene	9.62		"	10.0		96.2	76-140				
Methyl tert-butyl ether (MTBE)	9.42		"	10.0		94.2	76-135				
Methylene chloride	17.1		"	10.0		171	55-137	High Bias			
Naphthalene	9.03		"	10.0		90.3	70-147				
n-Butylbenzene	12.6		"	10.0		126	79-132				
n-Propylbenzene	9.83		"	10.0		98.3	78-133				
o-Xylene	9.97		"	10.0		99.7	78-130				
p- & m- Xylenes	20.4		"	20.0		102	77-133				
p-Diethylbenzene	14.1		"	10.0		141	84-134	High Bias			
p-Ethyltoluene	10.4		"	10.0		104	88-129				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	10.7		"	10.0		107	79-137				
Styrene	10.1		"	10.0		101	67-132				
tert-Butylbenzene	8.95		"	10.0		89.5	77-138				
Tetrachloroethylene	8.23		"	10.0		82.3	82-131				
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	11.7		"	10.0		117	80-132				
trans-1,3-Dichloropropylene	8.64		"	10.0		86.4	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	11.0		"	10.0		110	67-139				
Vinyl Chloride	11.9		"	10.0		119	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.97*		*"*	*10.0*		*99.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.83*		*"*	*10.0*		*98.3*	*79-122*				

Batch BC11109 - EPA 5030B

LCS Dup (BC11109-BSD1) Prepared & Analyzed: 03/18/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.06		ug/L	10.0		90.6	82-126		3.26	30	
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136		3.47	30	
1,1,2,2-Tetrachloroethane	9.60		"	10.0		96.0	76-129		0.104	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.9		"	10.0		119	54-165		4.35	30	
1,1,2-Trichloroethane	9.42		"	10.0		94.2	82-123		1.50	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		3.23	30	
1,1-Dichloroethylene	11.6		"	10.0		116	68-138		4.32	30	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133		3.98	30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	76-136		3.61	30	
1,2,3-Trichloropropane	9.37		"	10.0		93.7	77-128		6.50	30	
1,2,4,5-Tetramethylbenzene	12.6		"	10.0		126	85-140		3.29	30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137		2.33	30	
1,2,4-Trimethylbenzene	9.55		"	10.0		95.5	82-132		6.29	30	
1,2-Dibromo-3-chloropropane	6.57		"	10.0		65.7	45-147		13.7	30	
1,2-Dibromoethane	9.57		"	10.0		95.7	83-124		3.83	30	
1,2-Dichlorobenzene	9.50		"	10.0		95.0	79-123		3.62	30	
1,2-Dichloroethane	10.8		"	10.0		108	73-132		2.34	30	
1,2-Dichloropropane	9.57		"	10.0		95.7	78-126		3.09	30	
1,3,5-Trimethylbenzene	9.44		"	10.0		94.4	80-131		7.15	30	
1,3-Dichlorobenzene	9.32		"	10.0		93.2	86-122		4.41	30	
1,3-Dichloropropane	9.57		"	10.0		95.7	81-125		1.69	30	
1,4-Dichlorobenzene	9.39		"	10.0		93.9	85-124		3.45	30	
2,2-Dichloropropane	7.92		"	10.0		79.2	56-150		4.69	30	
2-Butanone	10.5		"	10.0		105	49-152		1.73	30	
2-Chlorotoluene	9.24		"	10.0		92.4	79-130		7.10	30	
2-Hexanone	8.50		"	10.0		85.0	51-146		9.49	30	
4-Chlorotoluene	9.21		"	10.0		92.1	79-128		6.61	30	
4-Methyl-2-pentanone	7.88		"	10.0		78.8	57-145		7.23	30	
Acetone	15.1		"	10.0		151	14-150	High Bias	11.6	30	
Benzene	10.5		"	10.0		105	85-126		3.28	30	
Bromobenzene	9.24		"	10.0		92.4	78-129		4.13	30	
Bromochloromethane	10.9		"	10.0		109	77-128		1.66	30	
Bromodichloromethane	9.14		"	10.0		91.4	79-128		0.109	30	
Bromoform	6.51		"	10.0		65.1	78-133	Low Bias	7.00	30	
Bromomethane	7.65		"	10.0		76.5	43-168		5.59	30	
Carbon disulfide	10.5		"	10.0		105	68-146		6.17	30	
Carbon tetrachloride	9.96		"	10.0		99.6	77-141		4.03	30	
Chlorobenzene	9.58		"	10.0		95.8	88-120		3.18	30	
Chloroethane	11.4		"	10.0		114	65-136		3.61	30	
Chloroform	10.4		"	10.0		104	82-128		1.99	30	
Chloromethane	9.56		"	10.0		95.6	43-155		2.58	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		2.23	30	
cis-1,3-Dichloropropylene	9.03		"	10.0		90.3	80-131		0.221	30	
Dibromochloromethane	7.96		"	10.0		79.6	80-130	Low Bias	3.84	30	
Dibromomethane	9.50		"	10.0		95.0	72-134		0.952	30	
Dichlorodifluoromethane	10.2		"	10.0		102	44-144		5.82	30	
Ethyl Benzene	9.70		"	10.0		97.0	80-131		4.34	30	
Hexachlorobutadiene	16.5		"	10.0		165	67-146	High Bias	1.44	30	
Isopropylbenzene	8.83		"	10.0		88.3	76-140		8.56	30	
Methyl tert-butyl ether (MTBE)	9.98		"	10.0		99.8	76-135		5.77	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 BC11109 - EPA 5030B											
LCS Dup (BC11109-BSD1)								Prepared & Analyzed: 03/18/2021			
Methylene chloride	19.3		ug/L	10.0		193	55-137	High Bias	12.2	30	
Naphthalene	9.36		"	10.0		93.6	70-147		3.59	30	
n-Butylbenzene	11.7		"	10.0		117	79-132		7.49	30	
n-Propylbenzene	9.06		"	10.0		90.6	78-133		8.15	30	
o-Xylene	9.63		"	10.0		96.3	78-130		3.47	30	
p- & m- Xylenes	19.4		"	20.0		96.9	77-133		4.98	30	
p-Diethylbenzene	13.2		"	10.0		132	84-134		6.38	30	
p-Ethyltoluene	9.69		"	10.0		96.9	88-129		7.16	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		7.75	30	
sec-Butylbenzene	9.92		"	10.0		99.2	79-137		7.57	30	
Styrene	9.77		"	10.0		97.7	67-132		3.42	30	
tert-Butylbenzene	8.31		"	10.0		83.1	77-138		7.42	30	
Tetrachloroethylene	7.77		"	10.0		77.7	82-131	Low Bias	5.75	30	
Toluene	9.83		"	10.0		98.3	80-127		4.57	30	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132		3.20	30	
trans-1,3-Dichloropropylene	8.80		"	10.0		88.0	78-131		1.83	30	
Trichloroethylene	9.72		"	10.0		97.2	82-128		5.60	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-139		4.07	30	
Vinyl Chloride	11.4		"	10.0		114	58-145		4.64	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.95*		*"*	*10.0*		*99.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.73*		*"*	*10.0*		*97.3*	*79-122*				
Batch BC11255 - EPA 5030B											
Blank (BC11255-BLK1)								Prepared & Analyzed: 03/22/2021			
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 BC11255 - EPA 5030B											
Blank (BC11255-BLK1)											
2-Hexanone	ND	0.50	ug/L								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	1.3	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	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.75*		*"*	*10.0*		*97.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				

Prepared & Analyzed: 03/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11255 - EPA 5030B											
LCS (BC11255-BS1)								Prepared & Analyzed: 03/22/2021			
1,1,1,2-Tetrachloroethane	8.82		ug/L	10.0		88.2	82-126				
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136				
1,1,2,2-Tetrachloroethane	9.10		"	10.0		91.0	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0		"	10.0		120	54-165				
1,1,2-Trichloroethane	8.99		"	10.0		89.9	82-123				
1,1-Dichloroethane	10.3		"	10.0		103	82-129				
1,1-Dichloroethylene	11.7		"	10.0		117	68-138				
1,1-Dichloropropylene	10.5		"	10.0		105	83-133				
1,2,3-Trichlorobenzene	9.40		"	10.0		94.0	76-136				
1,2,3-Trichloropropane	8.50		"	10.0		85.0	77-128				
1,2,4,5-Tetramethylbenzene	11.6		"	10.0		116	85-140				
1,2,4-Trichlorobenzene	9.95		"	10.0		99.5	76-137				
1,2,4-Trimethylbenzene	9.01		"	10.0		90.1	82-132				
1,2-Dibromo-3-chloropropane	6.11		"	10.0		61.1	45-147				
1,2-Dibromoethane	9.24		"	10.0		92.4	83-124				
1,2-Dichlorobenzene	8.93		"	10.0		89.3	79-123				
1,2-Dichloroethane	10.5		"	10.0		105	73-132				
1,2-Dichloropropane	9.24		"	10.0		92.4	78-126				
1,3,5-Trimethylbenzene	8.89		"	10.0		88.9	80-131				
1,3-Dichlorobenzene	8.81		"	10.0		88.1	86-122				
1,3-Dichloropropane	9.14		"	10.0		91.4	81-125				
1,4-Dichlorobenzene	8.82		"	10.0		88.2	85-124				
2,2-Dichloropropane	8.59		"	10.0		85.9	56-150				
2-Butanone	10.1		"	10.0		101	49-152				
2-Chlorotoluene	8.69		"	10.0		86.9	79-130				
2-Hexanone	8.15		"	10.0		81.5	51-146				
4-Chlorotoluene	8.67		"	10.0		86.7	79-128				
4-Methyl-2-pentanone	7.58		"	10.0		75.8	57-145				
Acetone	8.92		"	10.0		89.2	14-150				
Benzene	10.3		"	10.0		103	85-126				
Bromobenzene	8.82		"	10.0		88.2	78-129				
Bromochloromethane	10.7		"	10.0		107	77-128				
Bromodichloromethane	8.75		"	10.0		87.5	79-128				
Bromoform	6.40		"	10.0		64.0	78-133	Low Bias			
Bromomethane	7.81		"	10.0		78.1	43-168				
Carbon disulfide	11.2		"	10.0		112	68-146				
Carbon tetrachloride	9.83		"	10.0		98.3	77-141				
Chlorobenzene	9.10		"	10.0		91.0	88-120				
Chloroethane	11.1		"	10.0		111	65-136				
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	9.87		"	10.0		98.7	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	8.93		"	10.0		89.3	80-131				
Dibromochloromethane	7.70		"	10.0		77.0	80-130	Low Bias			
Dibromomethane	9.12		"	10.0		91.2	72-134				
Dichlorodifluoromethane	13.4		"	10.0		134	44-144				
Ethyl Benzene	9.17		"	10.0		91.7	80-131				
Hexachlorobutadiene	14.9		"	10.0		149	67-146	High Bias			
Isopropylbenzene	8.40		"	10.0		84.0	76-140				
Methyl tert-butyl ether (MTBE)	9.89		"	10.0		98.9	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 BC11255 - EPA 5030B											
LCS (BC11255-BS1)								Prepared & Analyzed: 03/22/2021			
Methylene chloride	11.5		ug/L	10.0		115	55-137				
Naphthalene	8.78		"	10.0		87.8	70-147				
n-Butylbenzene	10.7		"	10.0		107	79-132				
n-Propylbenzene	8.58		"	10.0		85.8	78-133				
o-Xylene	9.07		"	10.0		90.7	78-130				
p- & m- Xylenes	18.4		"	20.0		92.0	77-133				
p-Diethylbenzene	12.2		"	10.0		122	84-134				
p-Ethyltoluene	9.12		"	10.0		91.2	88-129				
p-Isopropyltoluene	9.50		"	10.0		95.0	81-136				
sec-Butylbenzene	9.20		"	10.0		92.0	79-137				
Styrene	9.34		"	10.0		93.4	67-132				
tert-Butylbenzene	7.80		"	10.0		78.0	77-138				
Tetrachloroethylene	7.38		"	10.0		73.8	82-131	Low Bias			
Toluene	9.33		"	10.0		93.3	80-127				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	8.59		"	10.0		85.9	78-131				
Trichloroethylene	9.38		"	10.0		93.8	82-128				
Trichlorofluoromethane	10.9		"	10.0		109	67-139				
Vinyl Chloride	11.4		"	10.0		114	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.74*		*"*	*10.0*		*97.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.64*		*"*	*10.0*		*96.4*	*79-122*				
LCS Dup (BC11255-BSD1)								Prepared & Analyzed: 03/22/2021			
1,1,1,2-Tetrachloroethane	9.39		ug/L	10.0		93.9	82-126		6.26	30	
1,1,1-Trichloroethane	11.1		"	10.0		111	78-136		7.18	30	
1,1,2,2-Tetrachloroethane	9.19		"	10.0		91.9	76-129		0.984	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.9		"	10.0		129	54-165		7.41	30	
1,1,2-Trichloroethane	9.19		"	10.0		91.9	82-123		2.20	30	
1,1-Dichloroethane	10.8		"	10.0		108	82-129		5.02	30	
1,1-Dichloroethylene	12.5		"	10.0		125	68-138		6.29	30	
1,1-Dichloropropylene	11.2		"	10.0		112	83-133		7.28	30	
1,2,3-Trichlorobenzene	9.33		"	10.0		93.3	76-136		0.747	30	
1,2,3-Trichloropropane	8.73		"	10.0		87.3	77-128		2.67	30	
1,2,4,5-Tetramethylbenzene	12.2		"	10.0		122	85-140		5.36	30	
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137		2.87	30	
1,2,4-Trimethylbenzene	9.99		"	10.0		99.9	82-132		10.3	30	
1,2-Dibromo-3-chloropropane	6.25		"	10.0		62.5	45-147		2.27	30	
1,2-Dibromoethane	9.16		"	10.0		91.6	83-124		0.870	30	
1,2-Dichlorobenzene	9.37		"	10.0		93.7	79-123		4.81	30	
1,2-Dichloroethane	10.5		"	10.0		105	73-132		0.286	30	
1,2-Dichloropropane	9.83		"	10.0		98.3	78-126		6.19	30	
1,3,5-Trimethylbenzene	9.89		"	10.0		98.9	80-131		10.6	30	
1,3-Dichlorobenzene	9.53		"	10.0		95.3	86-122		7.85	30	
1,3-Dichloropropane	9.19		"	10.0		91.9	81-125		0.546	30	
1,4-Dichlorobenzene	9.61		"	10.0		96.1	85-124		8.57	30	
2,2-Dichloropropane	9.13		"	10.0		91.3	56-150		6.09	30	
2-Butanone	9.68		"	10.0		96.8	49-152		4.15	30	
2-Chlorotoluene	9.75		"	10.0		97.5	79-130		11.5	30	
2-Hexanone	7.86		"	10.0		78.6	51-146		3.62	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 BC11255 - EPA 5030B											
LCS Dup (BC11255-BSD1)								Prepared & Analyzed: 03/22/2021			
4-Chlorotoluene	9.67		ug/L	10.0		96.7	79-128		10.9	30	
4-Methyl-2-pentanone	7.13		"	10.0		71.3	57-145		6.12	30	
Acetone	9.55		"	10.0		95.5	14-150		6.82	30	
Benzene	11.0		"	10.0		110	85-126		6.29	30	
Bromobenzene	9.53		"	10.0		95.3	78-129		7.74	30	
Bromochloromethane	10.7		"	10.0		107	77-128		0.281	30	
Bromodichloromethane	9.26		"	10.0		92.6	79-128		5.66	30	
Bromoform	6.45		"	10.0		64.5	78-133	Low Bias	0.778	30	
Bromomethane	8.80		"	10.0		88.0	43-168		11.9	30	
Carbon disulfide	12.0		"	10.0		120	68-146		7.06	30	
Carbon tetrachloride	10.5		"	10.0		105	77-141		6.50	30	
Chlorobenzene	9.88		"	10.0		98.8	88-120		8.22	30	
Chloroethane	12.1		"	10.0		121	65-136		8.52	30	
Chloroform	10.6		"	10.0		106	82-128		4.23	30	
Chloromethane	11.0		"	10.0		110	43-155		10.6	30	
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129		5.92	30	
cis-1,3-Dichloropropylene	9.37		"	10.0		93.7	80-131		4.81	30	
Dibromochloromethane	7.89		"	10.0		78.9	80-130	Low Bias	2.44	30	
Dibromomethane	9.21		"	10.0		92.1	72-134		0.982	30	
Dichlorodifluoromethane	14.3		"	10.0		143	44-144		6.71	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		8.66	30	
Hexachlorobutadiene	16.1		"	10.0		161	67-146	High Bias	7.82	30	
Isopropylbenzene	9.48		"	10.0		94.8	76-140		12.1	30	
Methyl tert-butyl ether (MTBE)	9.63		"	10.0		96.3	76-135		2.66	30	
Methylene chloride	11.5		"	10.0		115	55-137		0.261	30	
Naphthalene	8.63		"	10.0		86.3	70-147		1.72	30	
n-Butylbenzene	11.7		"	10.0		117	79-132		8.66	30	
n-Propylbenzene	9.66		"	10.0		96.6	78-133		11.8	30	
o-Xylene	9.89		"	10.0		98.9	78-130		8.65	30	
p- & m- Xylenes	20.2		"	20.0		101	77-133		9.13	30	
p-Diethylbenzene	13.3		"	10.0		133	84-134		9.04	30	
p-Ethyltoluene	10.3		"	10.0		103	88-129		12.3	30	
p-Isopropyltoluene	10.6		"	10.0		106	81-136		10.5	30	
sec-Butylbenzene	10.2		"	10.0		102	79-137		10.6	30	
Styrene	10.0		"	10.0		100	67-132		6.93	30	
tert-Butylbenzene	8.75		"	10.0		87.5	77-138		11.5	30	
Tetrachloroethylene	8.18		"	10.0		81.8	82-131	Low Bias	10.3	30	
Toluene	10.2		"	10.0		102	80-127		9.30	30	
trans-1,2-Dichloroethylene	12.1		"	10.0		121	80-132		7.10	30	
trans-1,3-Dichloropropylene	8.86		"	10.0		88.6	78-131		3.09	30	
Trichloroethylene	10.3		"	10.0		103	82-128		9.35	30	
Trichlorofluoromethane	11.5		"	10.0		115	67-139		5.81	30	
Vinyl Chloride	13.1		"	10.0		131	58-145		13.4	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.82*		*"*	*10.0*		*98.2*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.95*		*"*	*10.0*		*99.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.96*		*"*	*10.0*		*99.6*	*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 BC11462 - Preparation for GC Analysis											
Blank (BC11462-BLK1)								Prepared & Analyzed: 03/24/2021			
Methane	ND	10	ug/L								
Ethane	ND	10	"								
Ethylene (Ethene)	ND	10	"								
Duplicate (BC11462-DUP1)	*Source sample: 21C1055-01 (Duplicate)							Prepared & Analyzed: 03/24/2021			
Methane	130	10	ug/L		500000				200	35	Non-dir.
Ethane	ND	10	"		ND					35	
Ethylene (Ethene)	ND	10	"		ND					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 BC11262 - EPA 200.7											
Blank (BC11262-BLK1)								Prepared: 03/22/2021 Analyzed: 03/23/2021			
Iron - Dissolved	ND	0.278	mg/L								
LCS (BC11262-BS1)								Prepared: 03/22/2021 Analyzed: 03/23/2021			
Iron - Dissolved	0.989		ug/mL	1.00		98.9	85-115				
Duplicate (BC11262-DUP1)	*Source sample: 21C0853-05 (Duplicate)							Prepared: 03/22/2021 Analyzed: 03/23/2021			
Iron - Dissolved	637	0.278	mg/L		622				2.42	20	
Matrix Spike (BC11262-MS1)	*Source sample: 21C0853-05 (Matrix Spike)							Prepared: 03/22/2021 Analyzed: 03/23/2021			
Iron - Dissolved	619	0.278	mg/L	1.11	622	NR	75-125	Low Bias			
Post Spike (BC11262-PS1)	*Source sample: 21C0853-05 (Post Spike)							Prepared: 03/22/2021 Analyzed: 03/23/2021			
Iron - Dissolved	561		ug/mL	1.00	560	165	75-125	High Bias			

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 BC11051 - EPA 300											
Blank (BC11051-BLK1)								Prepared & Analyzed: 03/16/2021			
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BC11051-BS1)								Prepared & Analyzed: 03/16/2021			
Nitrate as N	9.94	0.0500	mg/L	10.0		99.4	90-110				
Nitrite as N	10.1	0.0500	"	10.0		101	90-110				
Sulfate	9.64	1.00	"	10.0		96.4	85-115				
Duplicate (BC11051-DUP1)	*Source sample: 21C0762-01 (Duplicate)							Prepared & Analyzed: 03/16/2021			
Nitrate as N	3.66	0.0500	mg/L		3.69				0.870	15	
Nitrite as N	0.0705	0.0500	"		0.0764				8.03	15	
Sulfate	25.3	1.00	"		25.4				0.369	15	
Matrix Spike (BC11051-MS1)	*Source sample: 21C0762-01 (Matrix Spike)							Prepared & Analyzed: 03/16/2021			
Nitrate as N	13.6	0.0500	mg/L	10.0	3.69	99.3	90-110				
Nitrite as N	10.4	0.0500	"	10.0	0.0764	103	90-110				
Sulfate	32.6	1.00	"	10.0	25.4	72.8	85-115	Low Bias			
Matrix Spike (BC11051-MS2)	*Source sample: 21C0765-01 (Matrix Spike)							Prepared & Analyzed: 03/16/2021			
Nitrate as N	12.0	0.0500	mg/L	10.0	2.12	99.0	90-110				
Nitrite as N	10.2	0.0500	"	10.0	0.0713	101	90-110				
Sulfate	32.2	1.00	"	10.0	25.4	67.4	85-115	Low Bias			

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 BC11169 - Analysis Preparation											
Blank (BC11169-BLK1)								Prepared & Analyzed: 03/19/2021			
Total Organic Carbon (TOC)	ND	1.00	mg/L								
LCS (BC11169-BS1)								Prepared & Analyzed: 03/19/2021			
Total Organic Carbon (TOC)	87.3	1.00	mg/L	83.0		105	79.5-125.1				
LCS (BC11169-BS2)								Prepared & Analyzed: 03/19/2021			
Total Organic Carbon (TOC)	85.3	1.00	mg/L	83.0		103	79.5-125.1				
Duplicate (BC11169-DUP1)	*Source sample: 21C0793-03 (MW98-01A-210316)							Prepared & Analyzed: 03/19/2021			
Total Organic Carbon (TOC)	116	10.0	mg/L		118				2.41	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0793-01	MW98-04A-210315	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0793-02	MW45A-210315	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0793-03	MW98-01A-210316	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0793-04	FRW1-210316	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0793-05	FRW4-210316	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0793-06	TB01-210316	40mL Clear Vial (pre-pres.) HCl; 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.
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).
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.

Revision Description: This report has been revised to report results in a QA/QC format.

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. 21C0793

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 Flr Milwaukee WI 53204	Address: 234 W. Florida St 5th Flr Milwaukee WI 53204	YOUR Project Name: Kraft Sag Harbor/ Frmr Rowe Ind	RUSH - Two Day
Phone: (201) 575-1715	Phone: (262) 901-0127	Phone: (262) 901-0127		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#:	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; 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 4 File; NJDEP SRP HazSite; Other:

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW98-04A-210315	GW	3/15/21 17:05	VOC+10	40mL x3
MW45A-210315	GW	3/15/21 18:05	VOC+10	40mL x3
MW98-01A-210316	GW	3/16/21 10:00	VO+10, Ethane Ethene Methane, SO_4, NO_3 NO_2, Dis Fe, TOC (11)	
~~MW~~ MS FRW1-210316	GW	3/16/21 11:50	VO+10, Ethene, Ethane, Methane, SO_4 NO_3, NO_2 Dis Fe, TOC (11)	
FRW4-210316	GW	3/16/21 1450	VO+10, Ethene, Ethane, Methane, SO_4, NO_3, NO_2, Dis Fe TOC (11)	
TB01-210316	QC	3/16/21 —	VO+10	40ml x2

Comments: Send EQuis 4 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
	3/16/21 15:20		3/16/21 15:20		3/16/21
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
				KBlackman	3/16/21 1822 / 4.9 Degrees C

Technical Report

prepared for:

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

Report Date: 04/06/2021
Client Project ID: 1690016505 Kraft Sag Harbor Frmr Rowe Ind
York Project (SDG) No.: 21C0853

Revision No. 1.0

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: 04/06/2021
Client Project ID: 1690016505 Kraft Sag Harbor Frmr Rowe Ind
York Project (SDG) No.: 21C0853

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 March 17, 2021 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
21C0853-01	MW98-05AR-210316	Water	03/16/2021	03/17/2021
21C0853-02	FRW2-210317	Water	03/17/2021	03/17/2021
21C0853-03	FB01-210317	Water	03/17/2021	03/17/2021
21C0853-04	FRW3-210317	Water	03/17/2021	03/17/2021
21C0853-05	DUP01-210317	Water	03/17/2021	03/17/2021
21C0853-06	TB01-210317	Water	03/17/2021	03/17/2021

General Notes for York Project (SDG) No.: 21C0853

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: 04/06/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW98-05AR-210316 **York Sample ID:** 21C0853-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 16, 2021 5:35 pm	03/17/2021

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:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 NELAC-NY10854,NELAC-NY12058,NJDEP	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA

Sample Information

Client Sample ID: MW98-05AR-210316 **York Sample ID:** 21C0853-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 16, 2021 5:35 pm	03/17/2021

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:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
78-93-3	**2-Butanone**	**270**	B	ug/L	2.0	10	10	EPA 8260C Certifications:	03/22/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 14:56	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
591-78-6	**2-Hexanone**	**30**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
108-10-1	**4-Methyl-2-pentanone**	**1.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
67-64-1	**Acetone**	**190**		ug/L	10	20	10	EPA 8260C Certifications:	03/22/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 14:56	KHA
71-43-2	**Benzene**	**0.64**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
75-15-0	**Carbon disulfide**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
75-00-3	**Chloroethane**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
156-59-2	**cis-1,2-Dichloroethylene**	**39**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA

Sample Information

Client Sample ID: MW98-05AR-210316 **York Sample ID:** 21C0853-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 16, 2021 5:35 pm	03/17/2021

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:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
95-47-6	**o-Xylene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/19/2021 18:33	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/19/2021 18:33	KHA
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33	KHA
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 18:33	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
127-18-4	**Tetrachloroethylene**	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
108-88-3	**Toluene**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
79-01-6	**Trichloroethylene**	**0.50**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 18:33	KHA

Sample Information

Client Sample ID: MW98-05AR-210316 **York Sample ID:** 21C0853-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 16, 2021 5:35 pm	03/17/2021

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**	**3.1**		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*88.7 %*	*79-122*

Volatile Organics, Tentatively Identified Cmpds.

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
NA	**2-Butanol isomer rt.4.773**	**2.6**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**antifoam rt.10.132**	**47**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**antifoam rt.12.232**	**55**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**column bleed rt.14.280**	**5.0**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**Cyclopropane isomer rt.1.521**	**2.0**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**Heptanol isomer rt.9.670**	**1.5**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**Heptanone isomer rt.9.539**	**12**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**Nonanone isomer rt.12.355**	**16**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**Octanone isomer rt. 11.003**	**2.1**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**Octanone isomer rt.10.894**	**3.5**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**Pentanol isomer rt.6.465**	**2.1**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**Pentanone isomer rt.6.326**	**4.7**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			
NA	**Pentanone isomer rt.6.189**	**8.9**	J	ug/L			1	EPA 8260C	03/19/2021 06:47	03/19/2021 18:33	KHA
								Certifications:			

Methane, Ethane & Ethylene

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

Sample Information

Client Sample ID: MW98-05AR-210316 **York Sample ID:** 21C0853-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 16, 2021 5:35 pm	03/17/2021

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**	**1600**		ug/L	10	1	GC/Headspace	03/24/2021 14:03	03/24/2021 13:49	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	03/24/2021 14:03	03/24/2021 13:49	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	03/24/2021 14:03	03/24/2021 13:49	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**	**255**		mg/L	0.278	1	EPA 200.7	03/22/2021 09:24	03/23/2021 09:54	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	03/17/2021 14:13	03/17/2021 23:29	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	03/17/2021 14:13	03/17/2021 23:29	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	ND		mg/L	1.00	1	EPA 300.0	03/17/2021 14:13	03/17/2021 23:29	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)	**255**		mg/L	10.0	10	SM 5310C	03/19/2021 08:33	03/19/2021 16:09	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: **FRW2-210317** **York Sample ID:** **21C0853-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 10:50 am	03/17/2021

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	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 NELAC-NY10854,NELAC-NY12058,NJDEP	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA

Sample Information

Client Sample ID: FRW2-210317 **York Sample ID:** 21C0853-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 10:50 am	03/17/2021

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
78-93-3	**2-Butanone**	**230**	B	ug/L	0.40	2.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	**2-Hexanone**	**75**		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	**4-Methyl-2-pentanone**	**1.9**		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**300**		ug/L	2.0	4.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.48**	J	ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**91**		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	03/22/2021 06:47	03/22/2021 15:23	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FRW2-210317 **York Sample ID:** 21C0853-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 10:50 am	03/17/2021

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
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
91-20-3	Naphthalene	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	KHA
105-05-5	* p-Diethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
622-96-8	* p-Ethyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
108-88-3	**Toluene**	**3.2**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-01-4	**Vinyl Chloride**	**7.1**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA

Sample Information

Client Sample ID: FRW2-210317 **York Sample ID:** 21C0853-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 10:50 am	03/17/2021

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
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	KHA

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.9 %*	*79-122*

Volatile Organics, Tentatively Identified Cmpds.

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
NA	**Butanol isomer rt.4.776**	**3.4**	J	ug/L			2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
NA	**ethylCyclohexanone isomer r...**	**2.9**	J	ug/L			2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
NA	**Heptanol isomer rt.9.670**	**7.1**	J	ug/L			2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
NA	**Heptanone isomer rt.9.539**	**56**	J	ug/L			2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
NA	**Nonanone isomer rt.12.054**	**2.4**	J	ug/L			2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
NA	**Nonanone isomer rt.12.355**	**16**	J	ug/L			2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
NA	**Octanone isomer rt.10.894**	**27**	J	ug/L			2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
NA	**Octanone isomer rt.11.003**	**16**	J	ug/L			2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
NA	**Pentanol isomer rt.6.462**	**9.1**	J	ug/L			2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
NA	**Pentanone isomer rt.6.189**	**31**	J	ug/L			2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA
NA	**Pentanone isomer rt.6.326**	**7.1**	J	ug/L			2	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:23	KHA

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**	**2200**		ug/L	10	1	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 13:54	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 13:54	RB

Sample Information

Client Sample ID: FRW2-210317 **York Sample ID:** 21C0853-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 10:50 am	03/17/2021

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
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	03/24/2021 14:03	03/24/2021 13:54	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**	**166**		mg/L	0.278	1	EPA 200.7	03/22/2021 09:24	03/23/2021 09:57	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	03/17/2021 14:13	03/18/2021 00:43	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	03/17/2021 14:13	03/18/2021 00:43	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	ND		mg/L	1.00	1	EPA 300.0	03/17/2021 14:13	03/18/2021 00:43	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)	**106**		mg/L	10.0	10	SM 5310C	03/19/2021 08:33	03/19/2021 16:09	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: **FB01-210317** **York Sample ID:** **21C0853-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 10:25 am	03/17/2021

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:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA

Sample Information

Client Sample ID: **FB01-210317** **York Sample ID:** **21C0853-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 10:25 am	03/17/2021

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
78-93-3	**2-Butanone**	**0.84**	B, J	ug/L	0.20	1.0	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:40	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01-210317 **York Sample ID:** 21C0853-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 10:25 am	03/17/2021

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
75-09-2	**Methylene chloride**	**2.3**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/19/2021 17:40	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/19/2021 17:40	KHA
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40	KHA
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 17:40	KHA

Sample Information

Client Sample ID: FB01-210317 **York Sample ID:** 21C0853-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 10:25 am	03/17/2021

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
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/19/2021 17:40	KHA

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.2 %*	*79-122*

Volatile Organics, Tentatively Identified Cmpds.

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
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 17:40	KHA

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:	03/24/2021 14:03	03/24/2021 14:00	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 14:00	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 14:00	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	ND		mg/L	0.278	1	EPA 200.7 Certifications:	03/22/2021 09:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 10:01	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:	03/17/2021 14:13 NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 01:08	MAO

Nitrite as N

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

Sample Information

Client Sample ID: FB01-210317 **York Sample ID:** 21C0853-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 10:25 am	03/17/2021

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	03/17/2021 14:13	03/18/2021 01:08	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	03/17/2021 14:13	03/18/2021 01:08	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	03/19/2021 08:33	03/19/2021 16:09	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: FRW3-210317 **York Sample ID:** 21C0853-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

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	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		

Sample Information

Client Sample ID: FRW3-210317 **York Sample ID:** 21C0853-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

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
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 19:53	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
78-93-3	**2-Butanone**	**2200**	B	ug/L	4.0	20	20	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 20:19	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
591-78-6	**2-Hexanone**	**760**		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
106-43-4	4-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
108-10-1	**4-Methyl-2-pentanone**	**5.6**		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
67-64-1	**Acetone**	**2000**		ug/L	20	40	20	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 20:19	KHA
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
108-86-1	Bromobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA

Sample Information

Client Sample ID: FRW3-210317 **York Sample ID:** 21C0853-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

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
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
156-59-2	**cis-1,2-Dichloroethylene**	**33**		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
91-20-3	Naphthalene	ND		ug/L	5.0	10	5	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA

Sample Information

Client Sample ID: FRW3-210317 **York Sample ID:** 21C0853-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

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
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/19/2021 19:53	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/19/2021 19:53	KHA
105-05-5	* p-Diethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 19:53	KHA
622-96-8	* p-Ethyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 19:53	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
108-88-3	**Toluene**	**1.4**	J	ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
75-01-4	**Vinyl Chloride**	**4.4**		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 19:53	KHA
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/19/2021 19:53	KHA

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.6 %*	*79-122*

Volatile Organics, Tentatively Identified Cmpds.

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
NA	**Butanol isomer rt.4.773**	**30**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 19:53	KHA

Sample Information

Client Sample ID: FRW3-210317 **York Sample ID:** 21C0853-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

Volatile Organics, Tentatively Identified Cmpds.

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
NA	**column bleed rt.12.230**	**92**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			
NA	**Heptanol isomer rt.9.664**	**43**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			
NA	**Heptanone isomer rt.9.539**	**210**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			
NA	**Hexanol isomer rt.8.131**	**12**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			
NA	**Isopropyl Alcohol isomer rt...**	**16**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			
NA	**Nonanone isomer rt.12.355**	**26**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			
NA	**Octanone isomer rt.11.000**	**50**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			
NA	**Octanone isomer rt.14.33**	**72**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			
NA	**Pentanol isomer rt.6.462**	**110**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			
NA	**Pentanone isomer rt.6.192**	**380**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			
NA	**Pentanone isomer rt.6.326**	**44**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			
NA	**unknown isomer rt.10.126**	**70**	J	ug/L			5	EPA 8260C	03/19/2021 06:47	03/19/2021 19:53	KHA
								Certifications:			

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**	**2200**		ug/L	10	1	GC/Headspace	03/24/2021 14:03	03/24/2021 14:06	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	03/24/2021 14:03	03/24/2021 14:06	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	03/24/2021 14:03	03/24/2021 14:06	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**	**639**		mg/L	0.278	1	EPA 200.7	03/22/2021 09:24	03/23/2021 10:04	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FRW3-210317 **York Sample ID:** 21C0853-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

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	03/17/2021 14:13	03/18/2021 01:32	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	03/17/2021 14:13	03/18/2021 01:32	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	03/17/2021 14:13	03/18/2021 01:32	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)	**1000**		mg/L	20.0	20	SM 5310C	03/19/2021 08:33	03/19/2021 16:09	JAG
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: DUP01-210317 **York Sample ID:** 21C0853-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

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	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: DUP01-210317 **York Sample ID:** 21C0853-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

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	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 NELAC-NY10854,NELAC-NY12058,NJDEP	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
78-93-3	**2-Butanone**	**2400**	B	ug/L	5.0	25	25	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 15:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-49-8	2-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
591-78-6	**2-Hexanone**	**730**		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA

Sample Information

Client Sample ID: DUP01-210317 **York Sample ID:** 21C0853-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

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	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	**4-Methyl-2-pentanone**	**5.2**		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**2100**		ug/L	25	50	25	EPA 8260C	03/22/2021 06:47	03/22/2021 15:49	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**33**		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	03/19/2021 06:47	03/19/2021 20:45	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP01-210317 **York Sample ID:** 21C0853-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

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	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
91-20-3	Naphthalene	ND		ug/L	5.0	10	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	KHA
105-05-5	* p-Diethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
622-96-8	* p-Ethyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
108-88-3	**Toluene**	**1.5**	J	ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-01-4	**Vinyl Chloride**	**4.2**		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	KHA

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*81-117*

Sample Information

Client Sample ID: DUP01-210317 **York Sample ID:** 21C0853-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

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*	*93.4 %*			*79-122*						

Volatile Organics, Tentatively Identified Cmpds.

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
NA	**Butanol isomer rt.4.773**	**28**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
NA	**Heptanol isomer rt.9.667**	**41**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
NA	**Heptanone isomer rt.9.539**	**200**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
NA	**Hexanol isomer rt.8.129**	**12**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
NA	**Isopropyl Alcohol isomer r...**	**14**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
NA	**Nonanone isomer rt.12.355**	**26**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
NA	**Octanone isomer rt.10.891**	**68**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
NA	**Octanone isomer rt.11.000**	**48**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
NA	**Pentanol isomer rt.6.459**	**110**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
NA	**Pentanone isomer rt.6.192**	**370**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA
NA	**Pentanone isomer rt.6.326**	**44**	J	ug/L			5	EPA 8260C Certifications:	03/19/2021 06:47	03/19/2021 20:45	KHA

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**	**1500**		ug/L	10	1	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 14:12	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 14:12	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	03/24/2021 14:03	03/24/2021 14:12	RB

Iron, Dissolved by EPA 200.7

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

Sample Information

Client Sample ID: DUP01-210317 **York Sample ID:** 21C0853-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 1:30 pm	03/17/2021

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**	**622**		mg/L	0.278	1	EPA 200.7	03/22/2021 09:24	03/23/2021 10:07	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	03/17/2021 14:13	03/18/2021 01:57	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	03/17/2021 14:13	03/18/2021 01:57	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	03/17/2021 14:13	03/18/2021 01:57	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)	**1010**		mg/L	20.0	20	SM 5310C	03/19/2021 08:33	03/19/2021 16:09	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01-210317 **York Sample ID:** 21C0853-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 12:00 am	03/17/2021

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

Sample Information

Client Sample ID: **TB01-210317** **York Sample ID:** **21C0853-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 12:00 am	03/17/2021

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:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP	03/22/2021 13:37	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 13:37	KHA

Sample Information

Client Sample ID: TB01-210317 **York Sample ID:** 21C0853-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 12:00 am	03/17/2021

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
78-93-3	**2-Butanone**	**0.70**	J, B	ug/L	0.20	1.0	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/19/2021 06:47	03/22/2021 13:37	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01-210317 **York Sample ID:** 21C0853-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 12:00 am	03/17/2021

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	KHA
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37	KHA
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/19/2021 06:47	03/22/2021 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	KHA

Sample Information

Client Sample ID: TB01-210317 **York Sample ID:** 21C0853-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0853	1690016505 Kraft Sag Harbor Frmr Rowe Ind	Water	March 17, 2021 12:00 am	03/17/2021

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
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/19/2021 06:47 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/22/2021 13:37	KHA

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.4 %*	*79-122*

Volatile Organics, Tentatively Identified Cmpds.

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
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	03/22/2021 06:47	03/22/2021 13:37	KHA

Analytical Batch Summary

Batch ID: BC11124 **Preparation Method:** EPA 300 **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0853-01	MW98-05AR-210316	03/17/21
21C0853-02	FRW2-210317	03/17/21
21C0853-03	FB01-210317	03/17/21
21C0853-04	FRW3-210317	03/17/21
21C0853-05	DUP01-210317	03/17/21
BC11124-BLK1	Blank	03/17/21
BC11124-BS1	LCS	03/17/21
BC11124-DUP1	Duplicate	03/17/21
BC11124-MS1	Matrix Spike	03/17/21
BC11124-MS2	Matrix Spike	03/17/21

Batch ID: BC11169 **Preparation Method:** Analysis Preparation **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21C0853-01	MW98-05AR-210316	03/19/21
21C0853-02	FRW2-210317	03/19/21
21C0853-03	FB01-210317	03/19/21
21C0853-04	FRW3-210317	03/19/21
21C0853-05	DUP01-210317	03/19/21
BC11169-BLK1	Blank	03/19/21
BC11169-BS1	LCS	03/19/21
BC11169-BS2	LCS	03/19/21
BC11169-DUP1	Duplicate	03/19/21

Batch ID: BC11198 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0853-01	MW98-05AR-210316	03/19/21
21C0853-03	FB01-210317	03/19/21
21C0853-04	FRW3-210317	03/19/21
21C0853-04RE1	FRW3-210317	03/19/21
21C0853-05	DUP01-210317	03/19/21
21C0853-05RE1	DUP01-210317	03/19/21
BC11198-BLK1	Blank	03/19/21
BC11198-BS1	LCS	03/19/21
BC11198-BSD1	LCS Dup	03/19/21

Batch ID: BC11262 **Preparation Method:** EPA 200.7 **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0853-01	MW98-05AR-210316	03/22/21
21C0853-02	FRW2-210317	03/22/21
21C0853-03	FB01-210317	03/22/21
21C0853-04	FRW3-210317	03/22/21

21C0853-05	DUP01-210317	03/22/21
BC11262-BLK1	Blank	03/22/21
BC11262-BS1	LCS	03/22/21
BC11262-DUP1	Duplicate	03/22/21
BC11262-MS1	Matrix Spike	03/22/21
BC11262-PS1	Post Spike	03/22/21

Batch ID: BC11281 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0853-01RE1	MW98-05AR-210316	03/22/21
21C0853-02	FRW2-210317	03/22/21
21C0853-05RE1	DUP01-210317	03/22/21
21C0853-06	TB01-210317	03/22/21
21C0853-06	TB01-210317	03/19/21
BC11281-BLK1	Blank	03/22/21
BC11281-BS1	LCS	03/22/21
BC11281-BSD1	LCS Dup	03/22/21

Batch ID: BC11462 **Preparation Method:** Preparation for GC Analysis **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
21C0853-01	MW98-05AR-210316	03/24/21
21C0853-02	FRW2-210317	03/24/21
21C0853-03	FB01-210317	03/24/21
21C0853-04	FRW3-210317	03/24/21
21C0853-05	DUP01-210317	03/24/21
BC11462-BLK1	Blank	03/24/21
BC11462-DUP1	Duplicate	03/24/21

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 BC11198 - EPA 5030B											
Blank (BC11198-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
Tentatively Identified Compounds	0.0		"								
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	0.69	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	"								

Prepared & Analyzed: 03/19/2021

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 BC11198 - EPA 5030B											
Blank (BC11198-BLK1)									Prepared & Analyzed: 03/19/2021		
Isopropylbenzene	ND	0.50	ug/L								
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	*10.8*		*"*	*10.0*		*108*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.45*		*"*	*10.0*		*94.5*	*79-122*				
LCS (BC11198-BS1)									Prepared & Analyzed: 03/19/2021		
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126				
1,1,1-Trichloroethane	10.4		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0		122	54-165				
1,1,2-Trichloroethane	10.3		"	10.0		103	82-123				
1,1-Dichloroethane	10.7		"	10.0		107	82-129				
1,1-Dichloroethylene	11.8		"	10.0		118	68-138				
1,1-Dichloropropylene	10.6		"	10.0		106	83-133				
1,2,3-Trichlorobenzene	8.47		"	10.0		84.7	76-136				
1,2,3-Trichloropropane	9.62		"	10.0		96.2	77-128				
1,2,4,5-Tetramethylbenzene	10.6		"	10.0		106	85-140				
1,2,4-Trichlorobenzene	9.51		"	10.0		95.1	76-137				
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	8.30		"	10.0		83.0	45-147				
1,2-Dibromoethane	10.2		"	10.0		102	83-124				
1,2-Dichlorobenzene	9.83		"	10.0		98.3	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	11.0		"	10.0		110	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	9.85		"	10.0		98.5	86-122				
1,3-Dichloropropane	10.5		"	10.0		105	81-125				
1,4-Dichlorobenzene	9.82		"	10.0		98.2	85-124				
2,2-Dichloropropane	11.3		"	10.0		113	56-150				

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 BC11198 - EPA 5030B											
LCS (BC11198-BS1)								Prepared & Analyzed: 03/19/2021			
2-Butanone	10.2		ug/L	10.0		102	49-152				
2-Chlorotoluene	10.6		"	10.0		106	79-130				
2-Hexanone	11.0		"	10.0		110	51-146				
4-Chlorotoluene	10.4		"	10.0		104	79-128				
4-Methyl-2-pentanone	10.7		"	10.0		107	57-145				
Acetone	10.6		"	10.0		106	14-150				
Benzene	10.7		"	10.0		107	85-126				
Bromobenzene	10.5		"	10.0		105	78-129				
Bromochloromethane	11.2		"	10.0		112	77-128				
Bromodichloromethane	10.5		"	10.0		105	79-128				
Bromoform	9.28		"	10.0		92.8	78-133				
Bromomethane	4.96		"	10.0		49.6	43-168				
Carbon disulfide	11.5		"	10.0		115	68-146				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	10.4		"	10.0		104	88-120				
Chloroethane	10.3		"	10.0		103	65-136				
Chloroform	10.6		"	10.0		106	82-128				
Chloromethane	7.98		"	10.0		79.8	43-155				
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	10.3		"	10.0		103	80-130				
Dibromomethane	10.4		"	10.0		104	72-134				
Dichlorodifluoromethane	11.0		"	10.0		110	44-144				
Ethyl Benzene	11.2		"	10.0		112	80-131				
Hexachlorobutadiene	12.6		"	10.0		126	67-146				
Isopropylbenzene	10.5		"	10.0		105	76-140				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135				
Methylene chloride	11.8		"	10.0		118	55-137				
Naphthalene	8.40		"	10.0		84.0	70-147				
n-Butylbenzene	12.5		"	10.0		125	79-132				
n-Propylbenzene	10.7		"	10.0		107	78-133				
o-Xylene	11.1		"	10.0		111	78-130				
p- & m- Xylenes	22.7		"	20.0		113	77-133				
p-Diethylbenzene	12.3		"	10.0		123	84-134				
p-Ethyltoluene	11.3		"	10.0		113	88-129				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	11.5		"	10.0		115	79-137				
Styrene	11.1		"	10.0		111	67-132				
tert-Butylbenzene	8.93		"	10.0		89.3	77-138				
Tetrachloroethylene	10.1		"	10.0		101	82-131				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131				
Trichloroethylene	10.6		"	10.0		106	82-128				
Trichlorofluoromethane	11.0		"	10.0		110	67-139				
Vinyl Chloride	9.77		"	10.0		97.7	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.80*		*"*	*10.0*		*98.0*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC11198 - EPA 5030B

LCS Dup (BC11198-BSD1) Prepared & Analyzed: 03/19/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		2.34	30	
1,1,1-Trichloroethane	10.1		"	10.0		101	78-136		3.61	30	
1,1,2,2-Tetrachloroethane	9.62		"	10.0		96.2	76-129		3.97	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0		116	54-165		4.79	30	
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123		2.58	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		3.04	30	
1,1-Dichloroethylene	11.1		"	10.0		111	68-138		6.47	30	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		4.43	30	
1,2,3-Trichlorobenzene	8.48		"	10.0		84.8	76-136		0.118	30	
1,2,3-Trichloropropane	9.38		"	10.0		93.8	77-128		2.53	30	
1,2,4,5-Tetramethylbenzene	10.2		"	10.0		102	85-140		3.76	30	
1,2,4-Trichlorobenzene	9.39		"	10.0		93.9	76-137		1.27	30	
1,2,4-Trimethylbenzene	9.87		"	10.0		98.7	82-132		8.63	30	
1,2-Dibromo-3-chloropropane	8.20		"	10.0		82.0	45-147		1.21	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		2.81	30	
1,2-Dichlorobenzene	9.32		"	10.0		93.2	79-123		5.33	30	
1,2-Dichloroethane	10.8		"	10.0		108	73-132		1.30	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		2.48	30	
1,3,5-Trimethylbenzene	9.89		"	10.0		98.9	80-131		8.89	30	
1,3-Dichlorobenzene	9.27		"	10.0		92.7	86-122		6.07	30	
1,3-Dichloropropane	10.6		"	10.0		106	81-125		0.756	30	
1,4-Dichlorobenzene	9.27		"	10.0		92.7	85-124		5.76	30	
2,2-Dichloropropane	10.8		"	10.0		108	56-150		5.07	30	
2-Butanone	10.7		"	10.0		107	49-152		4.96	30	
2-Chlorotoluene	9.65		"	10.0		96.5	79-130		9.10	30	
2-Hexanone	11.6		"	10.0		116	51-146		4.79	30	
4-Chlorotoluene	9.54		"	10.0		95.4	79-128		9.01	30	
4-Methyl-2-pentanone	11.2		"	10.0		112	57-145		5.30	30	
Acetone	11.1		"	10.0		111	14-150		5.17	30	
Benzene	10.3		"	10.0		103	85-126		3.33	30	
Bromobenzene	9.78		"	10.0		97.8	78-129		7.39	30	
Bromochloromethane	11.4		"	10.0		114	77-128		1.24	30	
Bromodichloromethane	10.3		"	10.0		103	79-128		1.92	30	
Bromoform	9.55		"	10.0		95.5	78-133		2.87	30	
Bromomethane	5.18		"	10.0		51.8	43-168		4.34	30	
Carbon disulfide	11.0		"	10.0		110	68-146		4.79	30	
Carbon tetrachloride	10.1		"	10.0		101	77-141		4.44	30	
Chlorobenzene	10.2		"	10.0		102	88-120		2.62	30	
Chloroethane	9.78		"	10.0		97.8	65-136		5.18	30	
Chloroform	10.2		"	10.0		102	82-128		3.45	30	
Chloromethane	7.33		"	10.0		73.3	43-155		8.49	30	
cis-1,2-Dichloroethylene	10.7		"	10.0		107	83-129		3.31	30	
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131		1.33	30	
Dibromochloromethane	10.4		"	10.0		104	80-130		0.965	30	
Dibromomethane	10.6		"	10.0		106	72-134		1.81	30	
Dichlorodifluoromethane	10.3		"	10.0		103	44-144		6.21	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		3.27	30	
Hexachlorobutadiene	12.0		"	10.0		120	67-146		4.14	30	
Isopropylbenzene	9.43		"	10.0		94.3	76-140		10.5	30	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135		2.84	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 BC11198 - EPA 5030B											
LCS Dup (BC11198-BSD1)								Prepared & Analyzed: 03/19/2021			
Methylene chloride	11.7		ug/L	10.0		117	55-137		0.767	30	
Naphthalene	8.36		"	10.0		83.6	70-147		0.477	30	
n-Butylbenzene	11.4		"	10.0		114	79-132		8.70	30	
n-Propylbenzene	9.65		"	10.0		96.5	78-133		10.1	30	
o-Xylene	10.8		"	10.0		108	78-130		2.73	30	
p- & m- Xylenes	22.0		"	20.0		110	77-133		3.00	30	
p-Diethylbenzene	11.5		"	10.0		115	84-134		7.05	30	
p-Ethyltoluene	10.4		"	10.0		104	88-129		9.04	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		7.61	30	
sec-Butylbenzene	10.6		"	10.0		106	79-137		8.23	30	
Styrene	11.0		"	10.0		110	67-132		1.18	30	
tert-Butylbenzene	8.16		"	10.0		81.6	77-138		9.01	30	
Tetrachloroethylene	9.73		"	10.0		97.3	82-131		3.93	30	
Toluene	10.5		"	10.0		105	80-127		3.28	30	
trans-1,2-Dichloroethylene	11.2		"	10.0		112	80-132		5.24	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131		0.282	30	
Trichloroethylene	10.1		"	10.0		101	82-128		5.11	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-139		4.45	30	
Vinyl Chloride	9.21		"	10.0		92.1	58-145		5.90	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.24*		*"*	*10.0*		*92.4*	*79-122*				
Batch BC11281 - EPA 5030B											
Blank (BC11281-BLK1)								Prepared & Analyzed: 03/22/2021			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
Tentatively Identified Compounds	0.0		"								
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	0.78	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 BC11281 - EPA 5030B											
Blank (BC11281-BLK1)											
2-Chlorotoluene	ND	0.50	ug/L								
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	"								
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	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.91*		*"*	*10.0*		*99.1*	*79-122*				

Prepared & Analyzed: 03/22/2021

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 BC11281 - EPA 5030B											
LCS (BC11281-BS1)								Prepared & Analyzed: 03/22/2021			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	11.1		"	10.0		111	78-136				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.6		"	10.0		126	54-165				
1,1,2-Trichloroethane	10.9		"	10.0		109	82-123				
1,1-Dichloroethane	11.3		"	10.0		113	82-129				
1,1-Dichloroethylene	12.4		"	10.0		124	68-138				
1,1-Dichloropropylene	11.2		"	10.0		112	83-133				
1,2,3-Trichlorobenzene	8.57		"	10.0		85.7	76-136				
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128				
1,2,4,5-Tetramethylbenzene	11.2		"	10.0		112	85-140				
1,2,4-Trichlorobenzene	9.86		"	10.0		98.6	76-137				
1,2,4-Trimethylbenzene	11.4		"	10.0		114	82-132				
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147				
1,2-Dibromoethane	10.8		"	10.0		108	83-124				
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123				
1,2-Dichloroethane	11.3		"	10.0		113	73-132				
1,2-Dichloropropane	11.7		"	10.0		117	78-126				
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131				
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122				
1,3-Dichloropropane	11.1		"	10.0		111	81-125				
1,4-Dichlorobenzene	10.4		"	10.0		104	85-124				
2,2-Dichloropropane	12.1		"	10.0		121	56-150				
2-Butanone	10.6		"	10.0		106	49-152				
2-Chlorotoluene	11.2		"	10.0		112	79-130				
2-Hexanone	11.6		"	10.0		116	51-146				
4-Chlorotoluene	11.0		"	10.0		110	79-128				
4-Methyl-2-pentanone	11.5		"	10.0		115	57-145				
Acetone	11.0		"	10.0		110	14-150				
Benzene	11.3		"	10.0		113	85-126				
Bromobenzene	11.2		"	10.0		112	78-129				
Bromochloromethane	12.1		"	10.0		121	77-128				
Bromodichloromethane	11.1		"	10.0		111	79-128				
Bromoform	9.83		"	10.0		98.3	78-133				
Bromomethane	5.82		"	10.0		58.2	43-168				
Carbon disulfide	12.4		"	10.0		124	68-146				
Carbon tetrachloride	11.1		"	10.0		111	77-141				
Chlorobenzene	11.0		"	10.0		110	88-120				
Chloroethane	12.1		"	10.0		121	65-136				
Chloroform	11.1		"	10.0		111	82-128				
Chloromethane	9.88		"	10.0		98.8	43-155				
cis-1,2-Dichloroethylene	11.7		"	10.0		117	83-129				
cis-1,3-Dichloropropylene	11.3		"	10.0		113	80-131				
Dibromochloromethane	10.9		"	10.0		109	80-130				
Dibromomethane	10.9		"	10.0		109	72-134				
Dichlorodifluoromethane	13.9		"	10.0		139	44-144				
Ethyl Benzene	11.8		"	10.0		118	80-131				
Hexachlorobutadiene	12.1		"	10.0		121	67-146				
Isopropylbenzene	11.1		"	10.0		111	76-140				
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	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 BC11281 - EPA 5030B											
LCS (BC11281-BS1)							Prepared & Analyzed: 03/22/2021				
Methylene chloride	12.2		ug/L	10.0		122	55-137				
Naphthalene	8.92		"	10.0		89.2	70-147				
n-Butylbenzene	12.9		"	10.0		129	79-132				
n-Propylbenzene	11.3		"	10.0		113	78-133				
o-Xylene	11.7		"	10.0		117	78-130				
p- & m- Xylenes	23.8		"	20.0		119	77-133				
p-Diethylbenzene	13.1		"	10.0		131	84-134				
p-Ethyltoluene	12.1		"	10.0		121	88-129				
p-Isopropyltoluene	11.7		"	10.0		117	81-136				
sec-Butylbenzene	12.1		"	10.0		121	79-137				
Styrene	11.7		"	10.0		117	67-132				
tert-Butylbenzene	9.43		"	10.0		94.3	77-138				
Tetrachloroethylene	10.6		"	10.0		106	82-131				
Toluene	11.4		"	10.0		114	80-127				
trans-1,2-Dichloroethylene	12.4		"	10.0		124	80-132				
trans-1,3-Dichloropropylene	11.3		"	10.0		113	78-131				
Trichloroethylene	11.2		"	10.0		112	82-128				
Trichlorofluoromethane	12.6		"	10.0		126	67-139				
Vinyl Chloride	11.7		"	10.0		117	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.97*		*"*	*10.0*		*99.7*	*79-122*				
LCS Dup (BC11281-BSD1)							Prepared & Analyzed: 03/22/2021				
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126		0.0927	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136		3.59	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		0.937	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	54-165		2.56	30	
1,1,2-Trichloroethane	11.2		"	10.0		112	82-123		3.08	30	
1,1-Dichloroethane	11.1		"	10.0		111	82-129		1.70	30	
1,1-Dichloroethylene	12.1		"	10.0		121	68-138		2.29	30	
1,1-Dichloropropylene	10.9		"	10.0		109	83-133		2.90	30	
1,2,3-Trichlorobenzene	8.95		"	10.0		89.5	76-136		4.34	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		0.0972	30	
1,2,4,5-Tetramethylbenzene	11.2		"	10.0		112	85-140		0.446	30	
1,2,4-Trichlorobenzene	9.99		"	10.0		99.9	76-137		1.31	30	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		4.21	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147		3.90	30	
1,2-Dibromoethane	11.2		"	10.0		112	83-124		3.09	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123		1.27	30	
1,2-Dichloroethane	11.5		"	10.0		115	73-132		2.46	30	
1,2-Dichloropropane	11.6		"	10.0		116	78-126		0.859	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131		4.28	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		3.20	30	
1,3-Dichloropropane	11.3		"	10.0		113	81-125		2.05	30	
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124		2.63	30	
2,2-Dichloropropane	11.7		"	10.0		117	56-150		3.12	30	
2-Butanone	11.2		"	10.0		112	49-152		5.44	30	
2-Chlorotoluene	10.7		"	10.0		107	79-130		4.37	30	
2-Hexanone	12.2		"	10.0		122	51-146		5.37	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 BC11281 - EPA 5030B											
LCS Dup (BC11281-BSD1)							Prepared & Analyzed: 03/22/2021				
4-Chlorotoluene	10.6		ug/L	10.0		106	79-128		4.35	30	
4-Methyl-2-pentanone	11.7		"	10.0		117	57-145		2.16	30	
Acetone	11.2		"	10.0		112	14-150		2.61	30	
Benzene	11.1		"	10.0		111	85-126		1.43	30	
Bromobenzene	10.8		"	10.0		108	78-129		3.00	30	
Bromochloromethane	12.2		"	10.0		122	77-128		0.0823	30	
Bromodichloromethane	11.1		"	10.0		111	79-128		0.270	30	
Bromoform	10.3		"	10.0		103	78-133		4.48	30	
Bromomethane	6.04		"	10.0		60.4	43-168		3.71	30	
Carbon disulfide	11.9		"	10.0		119	68-146		3.71	30	
Carbon tetrachloride	10.8		"	10.0		108	77-141		2.10	30	
Chlorobenzene	10.9		"	10.0		109	88-120		0.914	30	
Chloroethane	11.5		"	10.0		115	65-136		5.17	30	
Chloroform	11.0		"	10.0		110	82-128		1.09	30	
Chloromethane	9.28		"	10.0		92.8	43-155		6.26	30	
cis-1,2-Dichloroethylene	11.5		"	10.0		115	83-129		1.47	30	
cis-1,3-Dichloropropylene	11.2		"	10.0		112	80-131		0.887	30	
Dibromochloromethane	11.0		"	10.0		110	80-130		1.28	30	
Dibromomethane	11.1		"	10.0		111	72-134		1.72	30	
Dichlorodifluoromethane	13.1		"	10.0		131	44-144		6.08	30	
Ethyl Benzene	11.5		"	10.0		115	80-131		1.80	30	
Hexachlorobutadiene	12.8		"	10.0		128	67-146		5.47	30	
Isopropylbenzene	10.5		"	10.0		105	76-140		5.67	30	
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	76-135		2.37	30	
Methylene chloride	12.1		"	10.0		121	55-137		0.576	30	
Naphthalene	9.28		"	10.0		92.8	70-147		3.96	30	
n-Butylbenzene	12.6		"	10.0		126	79-132		2.27	30	
n-Propylbenzene	10.7		"	10.0		107	78-133		5.44	30	
o-Xylene	11.5		"	10.0		115	78-130		1.38	30	
p- & m- Xylenes	23.4		"	20.0		117	77-133		1.69	30	
p-Diethylbenzene	12.7		"	10.0		127	84-134		2.80	30	
p-Ethyltoluene	11.5		"	10.0		115	88-129		5.08	30	
p-Isopropyltoluene	11.2		"	10.0		112	81-136		4.01	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137		4.05	30	
Styrene	11.7		"	10.0		117	67-132		0.684	30	
tert-Butylbenzene	9.03		"	10.0		90.3	77-138		4.33	30	
Tetrachloroethylene	10.4		"	10.0		104	82-131		2.01	30	
Toluene	11.1		"	10.0		111	80-127		2.66	30	
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132		3.29	30	
trans-1,3-Dichloropropylene	11.5		"	10.0		115	78-131		1.14	30	
Trichloroethylene	10.9		"	10.0		109	82-128		2.89	30	
Trichlorofluoromethane	12.1		"	10.0		121	67-139		3.73	30	
Vinyl Chloride	11.3		"	10.0		113	58-145		4.00	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.64*		*"*	*10.0*		*96.4*	*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 BC11462 - Preparation for GC Analysis											
Blank (BC11462-BLK1)								Prepared & Analyzed: 03/24/2021			
Methane	ND	10	ug/L								
Ethane	ND	10	"								
Ethylene (Ethene)	ND	10	"								
Duplicate (BC11462-DUP1)	*Source sample: 21C1055-01 (Duplicate)							Prepared & Analyzed: 03/24/2021			
Methane	130	10	ug/L		500000				200	35	Non-dir.
Ethane	ND	10	"		ND					35	
Ethylene (Ethene)	ND	10	"		ND					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 BC11262 - EPA 200.7											
Blank (BC11262-BLK1)								Prepared: 03/22/2021 Analyzed: 03/23/2021			
Iron - Dissolved	ND	0.278	mg/L								
LCS (BC11262-BS1)								Prepared: 03/22/2021 Analyzed: 03/23/2021			
Iron - Dissolved	0.989		ug/mL	1.00		98.9	85-115				
Duplicate (BC11262-DUP1)	*Source sample: 21C0853-05 (DUP01-210317)							Prepared: 03/22/2021 Analyzed: 03/23/2021			
Iron - Dissolved	637	0.278	mg/L		622				2.42	20	
Matrix Spike (BC11262-MS1)	*Source sample: 21C0853-05 (DUP01-210317)							Prepared: 03/22/2021 Analyzed: 03/23/2021			
Iron - Dissolved	619	0.278	mg/L	1.11	622	NR	75-125	Low Bias			
Post Spike (BC11262-PS1)	*Source sample: 21C0853-05 (DUP01-210317)							Prepared: 03/22/2021 Analyzed: 03/23/2021			
Iron - Dissolved	561		ug/mL	1.00	560	165	75-125	High Bias			

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 BC11124 - EPA 300											
Blank (BC11124-BLK1)								Prepared & Analyzed: 03/17/2021			
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BC11124-BS1)								Prepared & Analyzed: 03/17/2021			
Nitrate as N	10.4	0.0500	mg/L	10.0		104	90-110				
Nitrite as N	10.3	0.0500	"	10.0		103	90-110				
Sulfate	10.3	1.00	"	10.0		103	85-115				
Duplicate (BC11124-DUP1)	*Source sample: 21C0805-02 (Duplicate)							Prepared & Analyzed: 03/17/2021			
Nitrate as N	5.45	0.0500	mg/L		5.52				1.27	15	
Nitrite as N	0.108	0.0500	"		0.114				5.39	15	
Sulfate	59.3	1.00	"		60.1				1.34	15	
Matrix Spike (BC11124-MS1)	*Source sample: 21C0805-02 (Matrix Spike)							Prepared & Analyzed: 03/17/2021			
Nitrate as N	15.4	0.0500	mg/L	10.0	5.52	98.8	90-110				
Nitrite as N	10.2	0.0500	"	10.0	0.114	101	90-110				
Sulfate	64.5	1.00	"	10.0	60.1	43.8	85-115	Low Bias			
Matrix Spike (BC11124-MS2)	*Source sample: 21C0806-03 (Matrix Spike)							Prepared & Analyzed: 03/17/2021			
Nitrate as N	24.7	0.0500	mg/L	10.0	16.6	80.3	90-110	Low Bias			
Nitrite as N	9.93	0.0500	"	10.0	0.0800	98.5	90-110				
Sulfate	89.1	1.00	"	10.0	90.0	NR	85-115	Low Bias			

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 BC11169 - Analysis Preparation											
Blank (BC11169-BLK1)								Prepared & Analyzed: 03/19/2021			
Total Organic Carbon (TOC)	ND	1.00	mg/L								
LCS (BC11169-BS1)								Prepared & Analyzed: 03/19/2021			
Total Organic Carbon (TOC)	87.3	1.00	mg/L	83.0		105	79.5-125.1				
LCS (BC11169-BS2)								Prepared & Analyzed: 03/19/2021			
Total Organic Carbon (TOC)	85.3	1.00	mg/L	83.0		103	79.5-125.1				
Duplicate (BC11169-DUP1)	*Source sample: 21C0793-03 (Duplicate)							Prepared & Analyzed: 03/19/2021			
Total Organic Carbon (TOC)	116	10.0	mg/L		118				2.41	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0853-01	MW98-05AR-210316	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0853-02	FRW2-210317	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0853-03	FB01-210317	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0853-04	FRW3-210317	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0853-05	DUP01-210317	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0853-06	TB01-210317	40mL Clear Vial (pre-pres.) HCl; 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.
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.
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).
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.

Revision Description: This report has been revised to report results in a QA/QC format.

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. 21C0853

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 Flr, Milwaukee WI 53204	Address: 234 W. Florida St 5th Flr, Milwaukee WI 53204	YOUR Project Name: Kraft Soy Harbor Frmr Rowe Ind	RUSH - Two Day
Phone: (201) 575-1715	Phone: (262) 901-0127	Phone: (262) 901 0127		RUSH - Three Day
Contact: Matthew Sweet	Contact: Mark Mojac	Contact: mark mejac		RUSH - Four Day
E-mail: MSweet@ramboll.com	E-mail: mmejac@ramboll.com	E-mail: mmejac@ramboll.com	YOUR PO#:	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; 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 4 File; 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
~~FRW4-210316~~	~~GW~~	~~3/16/21 1450~~		MS
MW98-05AR-210316	GW	3/16/21 1735	VOC, TOC, Pethene, ethene, methane, NO_3 NO_2 SO_4, Diss Fe	11
FRW2-210317	GW	3/17/21 1050	VOC, TOC, ethene, ethane, methane NO_3 NO_2 SO_4 Diss Fe	11
FB01-210317	QC	3/17/21 1025	VOC, TOC, ethene, ethane, methane NO_3 NO_2 SO_4 Diss Fe	11
FRW3-210317	GW	3/17/21 1330	VOC, TOC, ethene, ethane, methane NO_3 NO_2 SO_4 Diss Fe	11
DUP01-210317	GW	3/17/21 1330	VOC, TOC, ethene, ethane, methane NO_3 NO_2 SO_4, Diss Fe	11
TB01-210317	QC	3/17/21	VOC +10	

Comments: Send EQuIS 4 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
	3/17/21 15:00		3/17/21 15:00		3/17/21 1730
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
					3/17/21 1730 — 4.4 Degrees C

APPENDIX C

DATA VALIDATION REPORT

RAMBOLL

ENVIRONMENT
& HEALTH

MEMORANDUM

To: **File**

From: **Mitchell Levenhagen**

Subject: **Data Validation, Sample Delivery Groups (SDG) 21C0793 and 21C0853, March 2021 Groundwater Samples Obtained from the Former Rowe Industries Superfund Site**

April 29, 2021

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Ref. 1690016505

Introduction

A total of ten groundwater samples (including one duplicate sample and one field blank sample) were collected on March 15 through March 17, 2021, 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:

B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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.

A total of three parameters were detected in batch blank samples. Acetone and methylene chloride were detected in blank sample BC11109-BLK1 and acetone was detected in blank sample BC11255-BLK1 in SDG 21C0793. 2-Butanone was detected in blank samples BC11198-BLK1 and BC11281-BLK1 from SDG 21C0853. A total of ten samples had one parameter flagged with a B-qualifier. Acetone was flagged for samples MW98-04A-210315, MW98-01A-210316, FRW1-210316, and FRW4-210316 in SDG 21C0853. The analyte 2-butanone was flagged with a

B-qualifier for samples MW98-05AR-210316, FRW2-210317, FB01-210317, FRW3-210317, DUP01-210317, and TB01-210317 in SDG 21C0793.

For quality assurance/quality control purposes, two trip blanks (TB01-210316 and TB01-210317) were analyzed for VOCs and one duplicate (DUP01-210317) and one field blank (FB01-210317) 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. 2-Butanone was detected in trip blank sample TB01-210317 at a concentration of 0.70 J micrograms per liter (µg/L). No analytes were detected in trip blank sample TB01-210316. The field blank sample (FB01-201117) contained 2-Butanone at a concentration of 0.84 J µg/L and methylene chloride at a concentration of 2.3 µg/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 (DUP01-210317) and its co-located sample (FRW3-210317) met the applicable RPD objective, with the RPD for methane (37.84%) slightly above the objective of 30%.

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

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).
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.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

The CCV-E qualifier refers to the continuing calibration verification run in conjunction with the VOA batches. For certain analytes, the value reported is estimated due to its behavior during continuing calibration verification.

One batch sample included in both SDG 21C0793 and SDG 21C0853 (duplicate sample BC11462-DUP1) had one analyte (methane) flagged with the "Non-dir." qualifier.

Several parameters were flagged as having either a low or high bias one or more LCS sample and/or LCS duplicate samples. Acetone, hexachlorobutadiene, methylene chloride, and/or p-diethylbenzene were flagged as having a high bias and bromoform, dichloromethane, and/or tetrachloroethylene (PCE) were flagged as having a low bias in one or more of the following samples: LCS sample BC11109-BS1, LCS duplicate sample BC11109-BSD1, LCS sample BC11255-BS1, or LCS duplicate sample BC11255-BSD1. These low and high bias flags correspond with the 'QL-02' data qualifier.

Dissolved iron was flagged as having a high bias in post spike sample BC11262-PS1 and a low bias in matrix spike sample BC11262-MS1, both included in SDG 21C0793 and SDG 21C0853. Sulfate was flagged as having a low bias in matrix spike samples BC11051-MS1 and BC11051-MS2 from SDG 21C0793. Sulfate (BC11124-MS1 and BC11124-MS2) and nitrate as N (BC11124-MS2) were flagged as having a low bias in one or more matrix spike samples. These low and high bias flags correspond with the 'QM-07' data qualifier.

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.

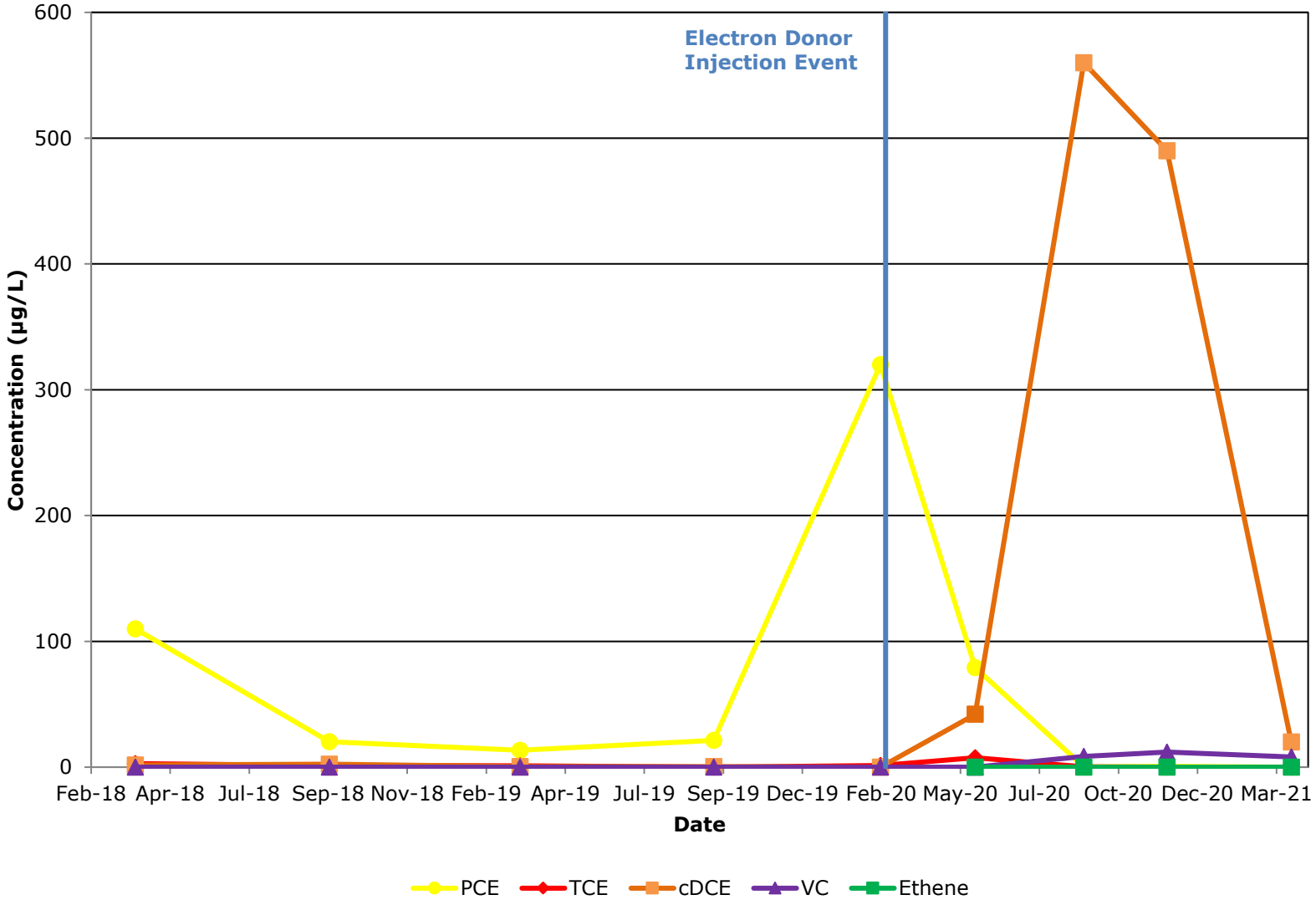
Conclusions

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

APPENDIX D

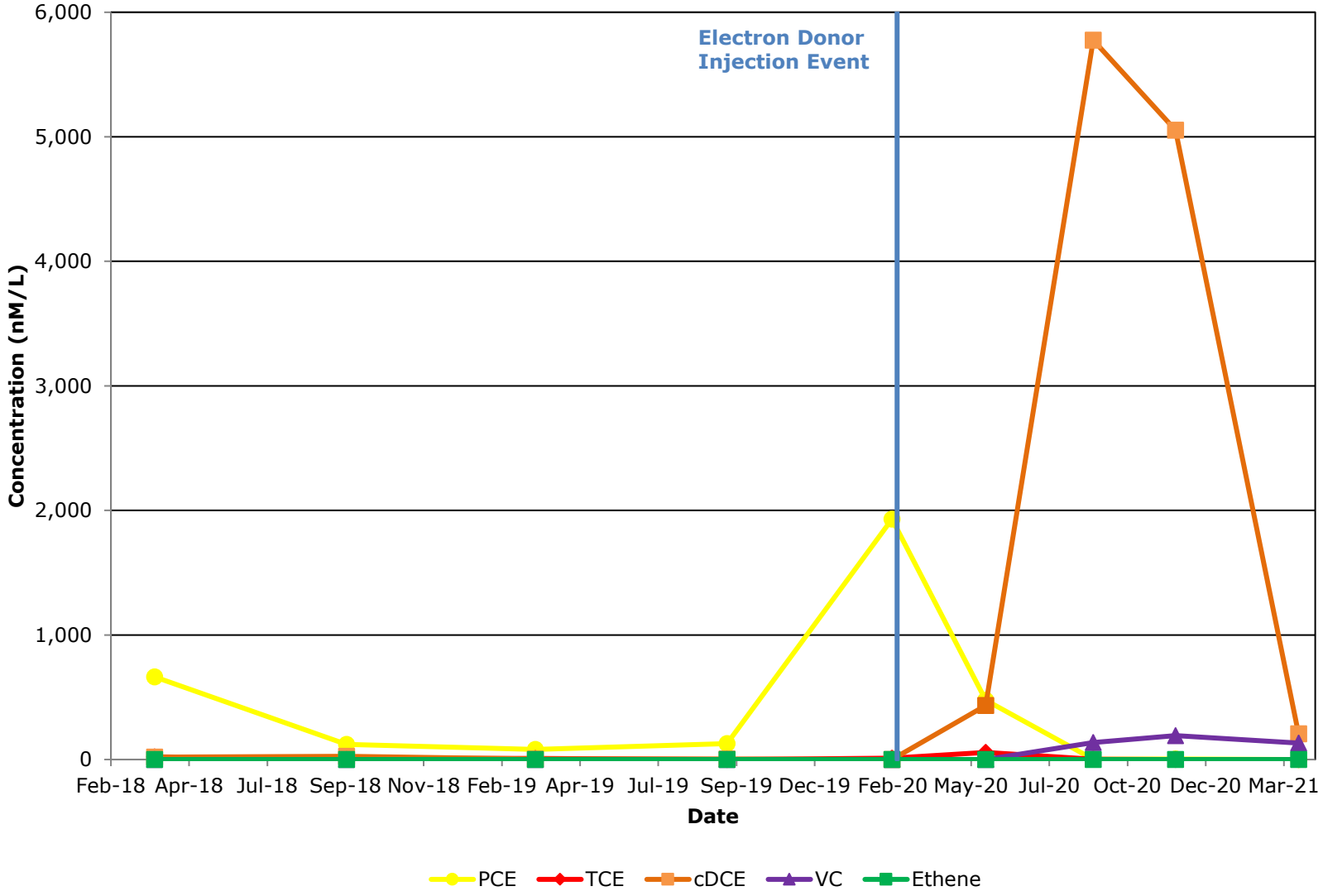
MOLAR FRACTION CHARTS

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



RAMBOLL

Figure D-2: Molar Concentrations of VOCs at Well FRW-1
Rowe Industries Site - Sag Harbor, New York



RAMBOLL

Figure D-3: Molar Fraction of VOCs at Well FRW-1
Rowe Industries Site - Sag Harbor, New York

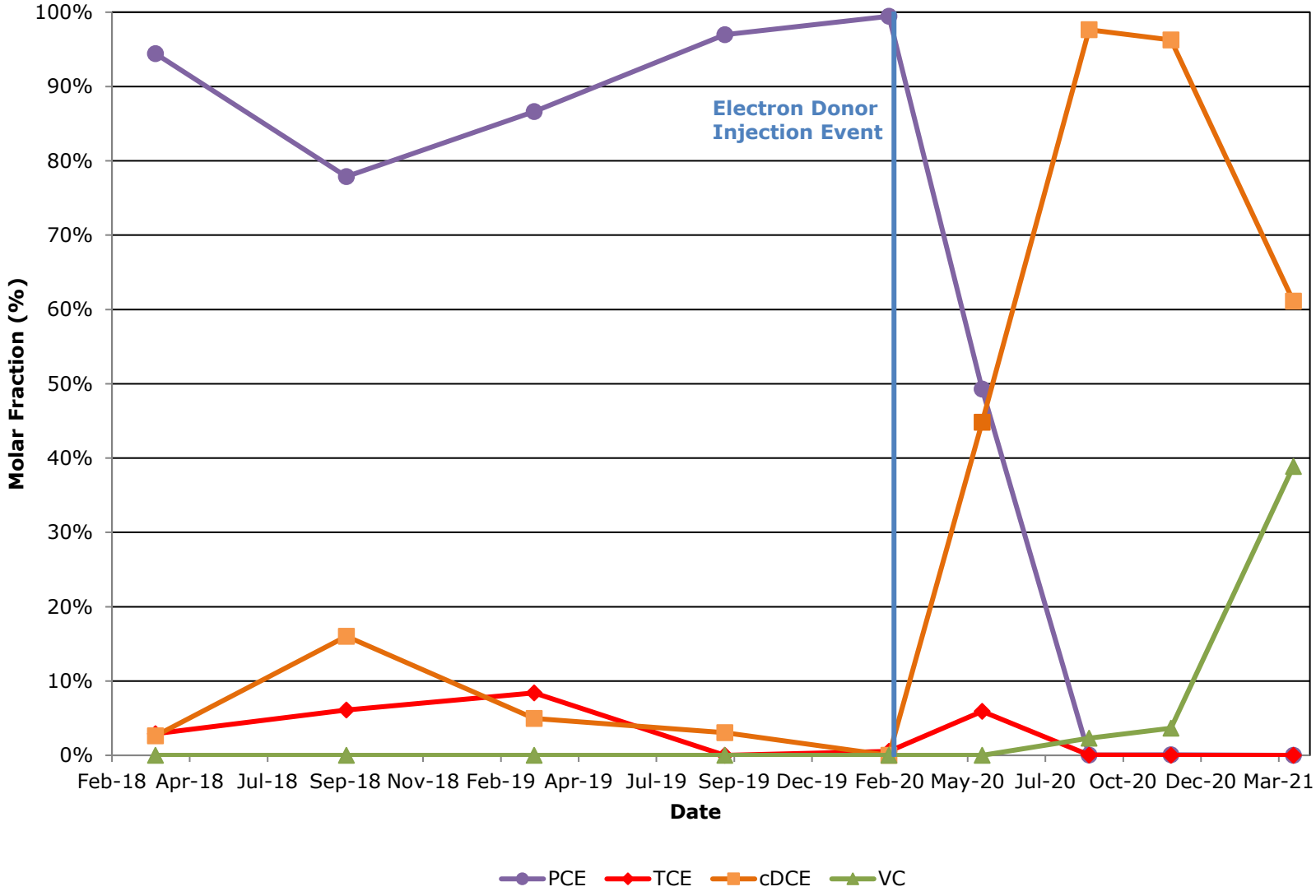


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Figure D-4: Concentrations of VOCs at Well FRW-2
Rowe Industries Site - Sag Harbor, New York

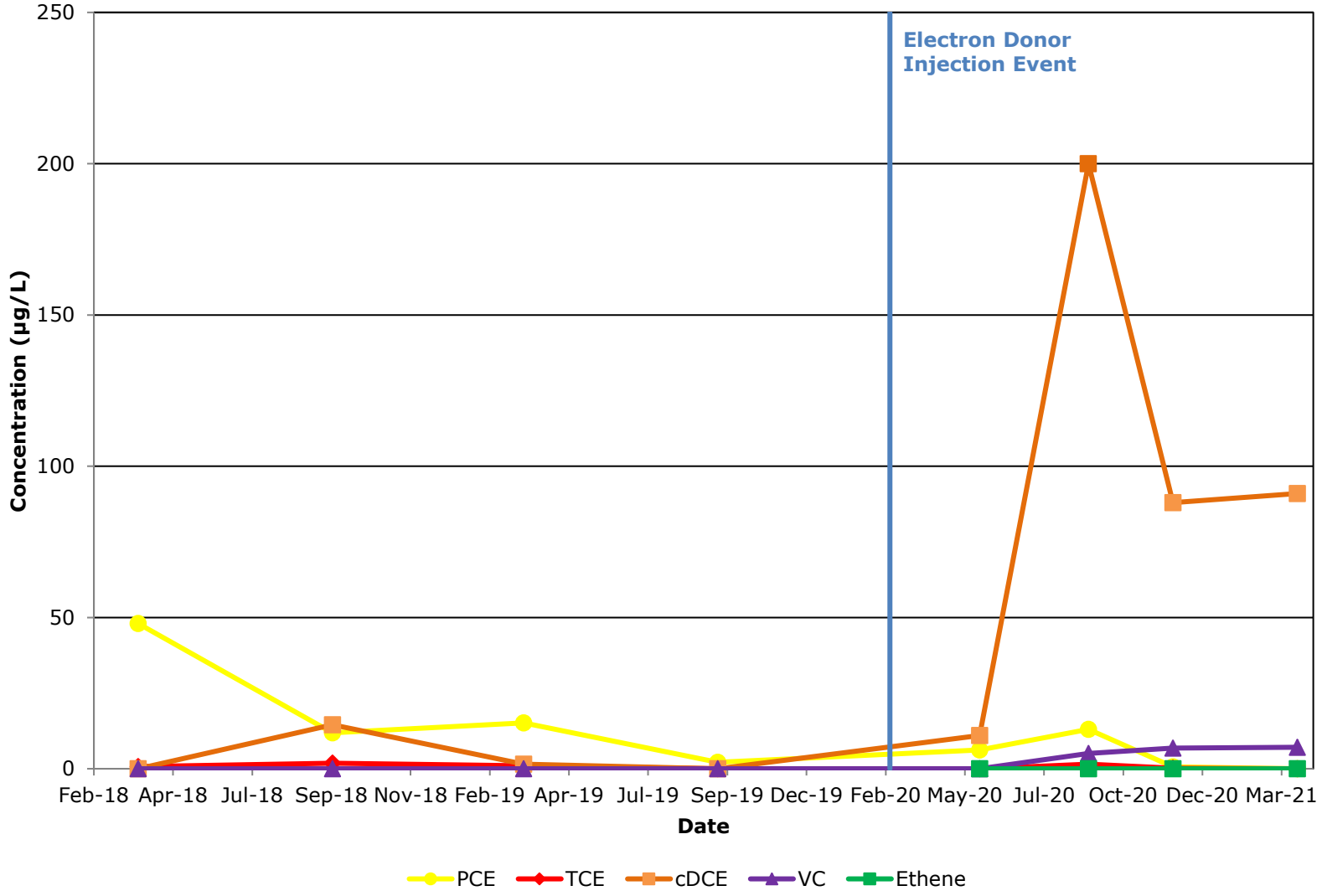

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Figure D-5: Molar Concentrations of VOCs at Well FRW-2
Rowe Industries Site - Sag Harbor, New York

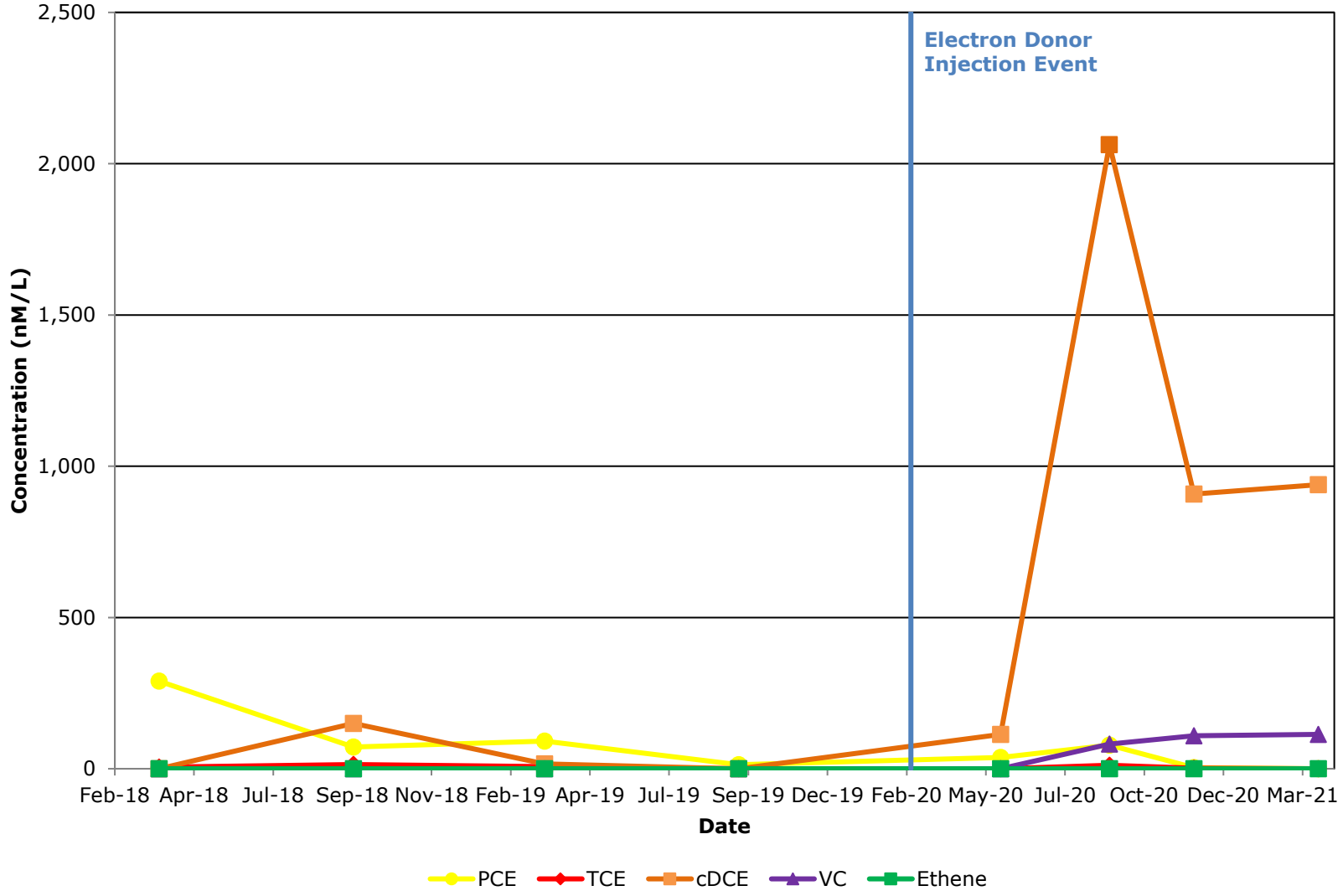

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Figure D-6: Molar Fraction of VOCs at Well FRW-2
Rowe Industries Site - Sag Harbor, New York

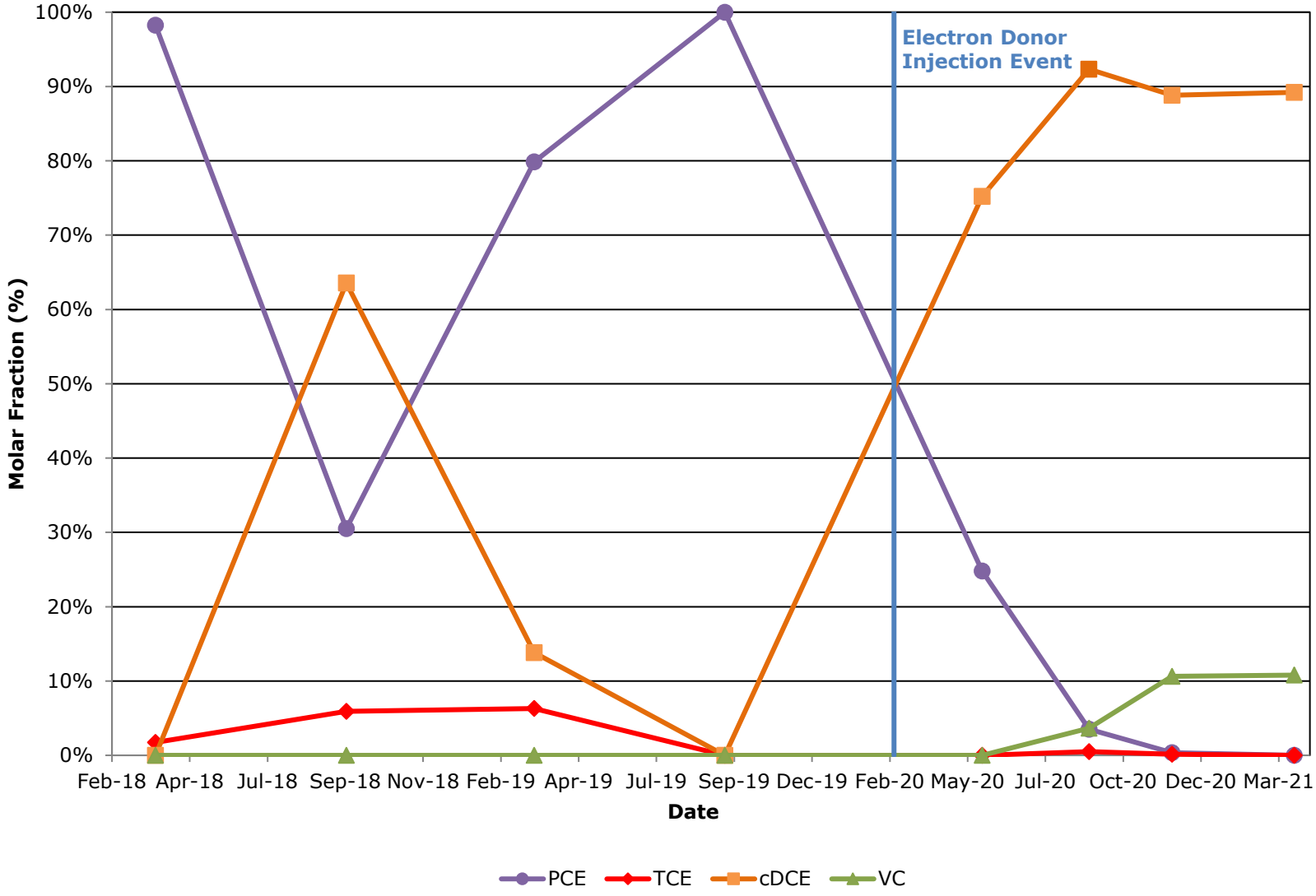

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Figure D-7: Concentrations of VOCs at Well FRW-3
Rowe Industries Site - Sag Harbor, New York

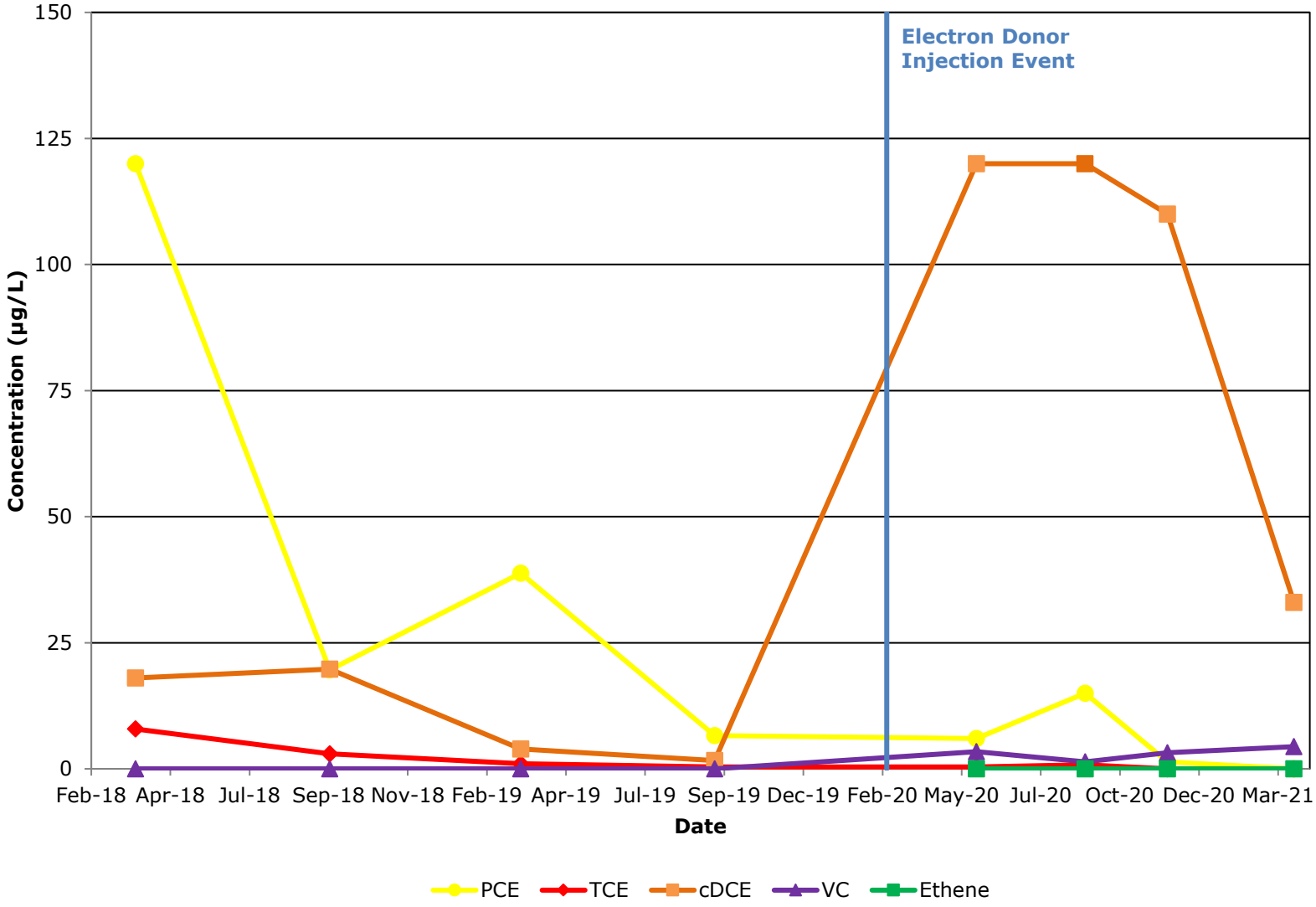

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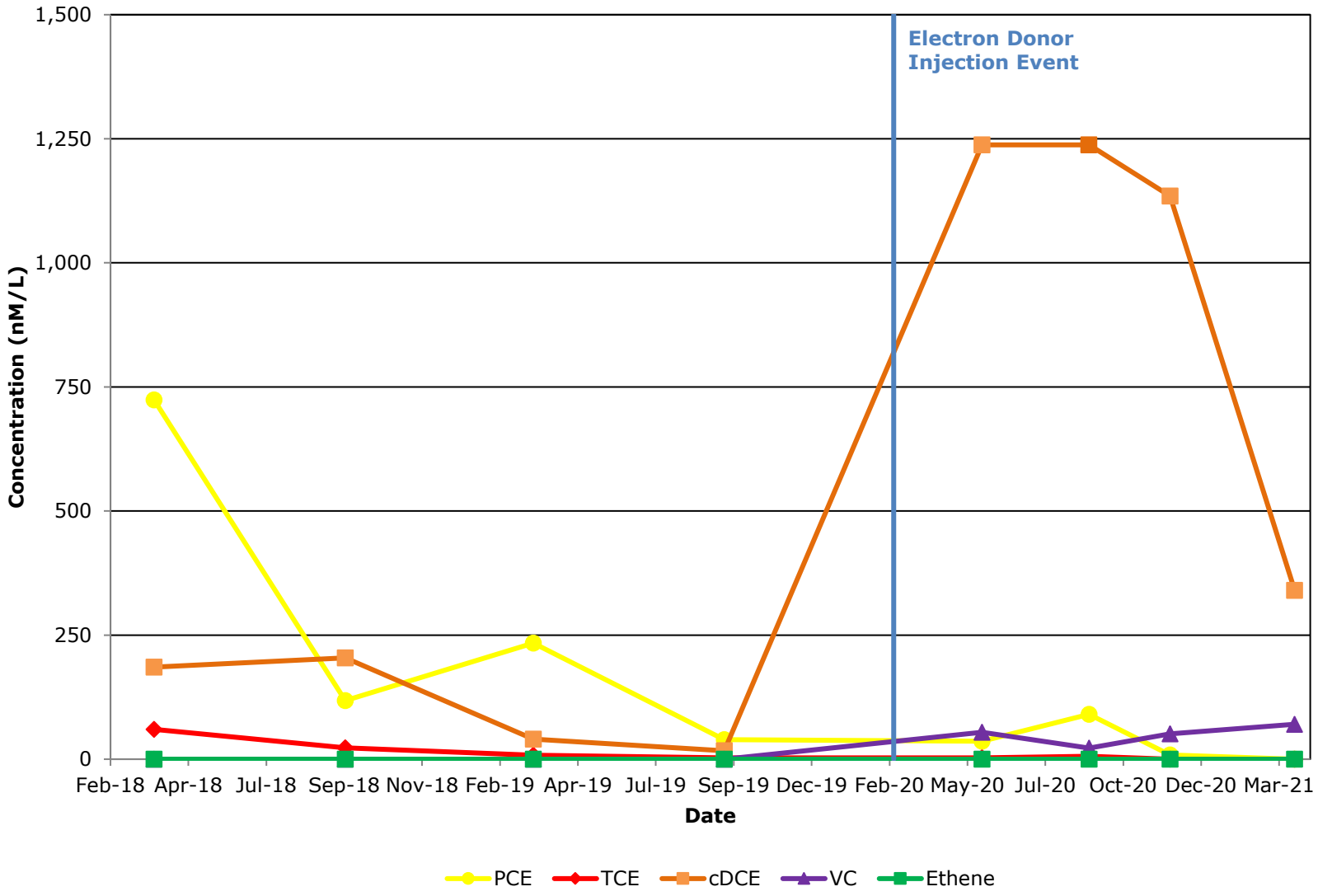
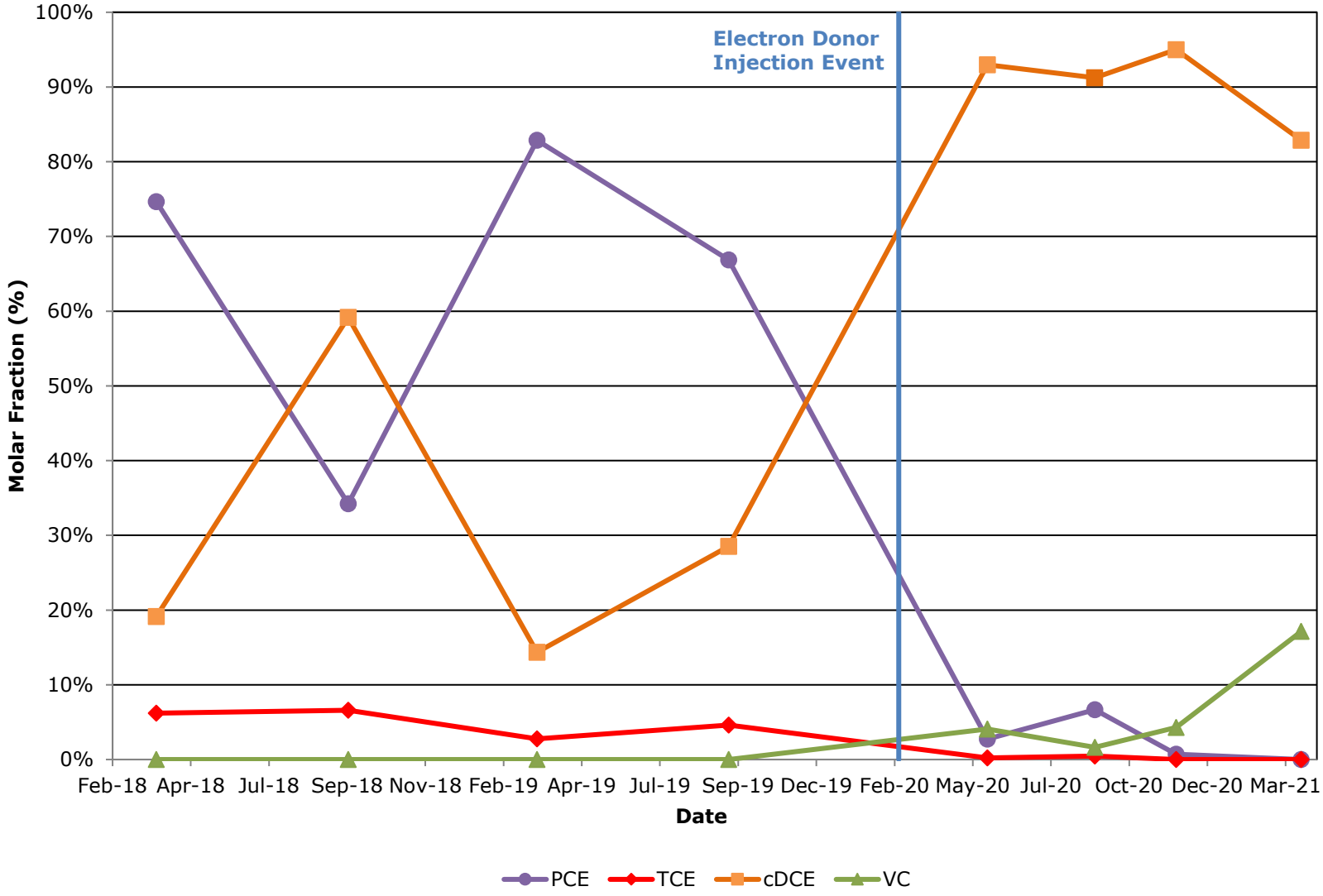
Figure D-8: Molar Concentrations of VOCs at Well FRW-3
Rowe Industries Site - Sag Harbor, New York



RAMBOLL

Figure D-9: Molar Fraction of VOCs at Well FRW-3
Rowe Industries Site - Sag Harbor, New York



RAMBOLL

Figure D-10: Concentrations of VOCs at Well MW-98-05AR
Rowe Industries Site - Sag Harbor, New York

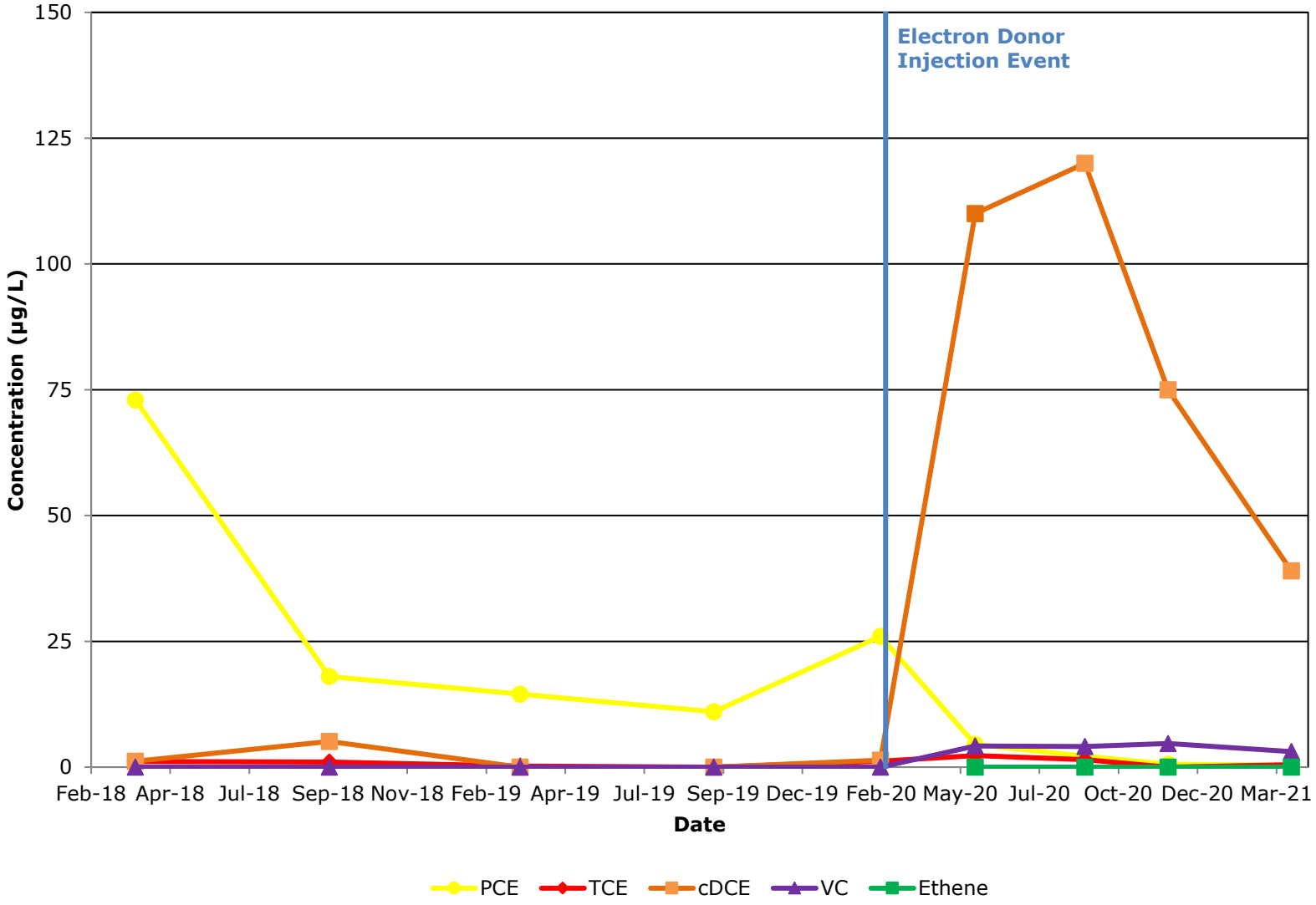


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Figure D-11: Molar Concentrations of VOCs at Well MW-98-05AR
Rowe Industries Site - Sag Harbor, New York

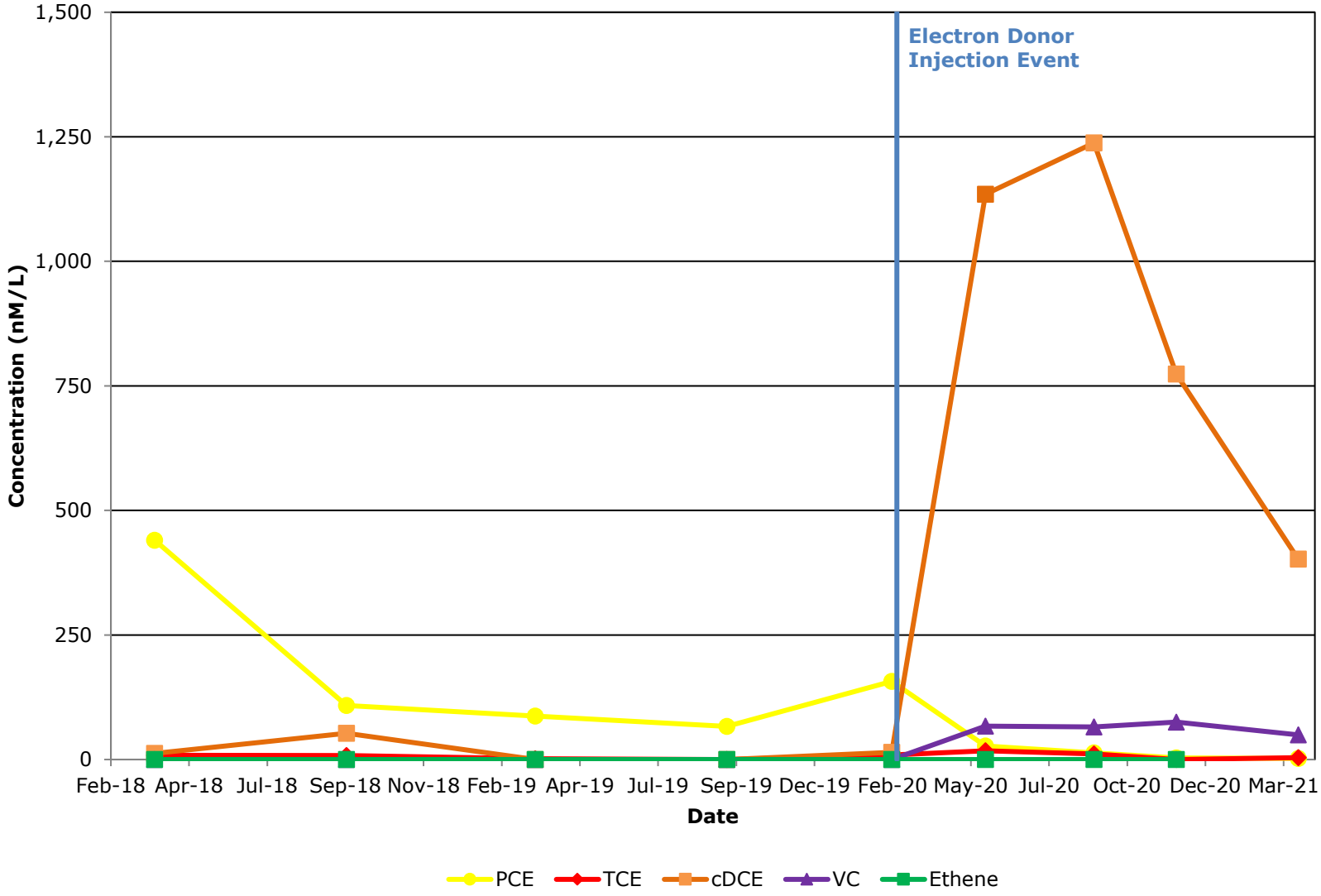

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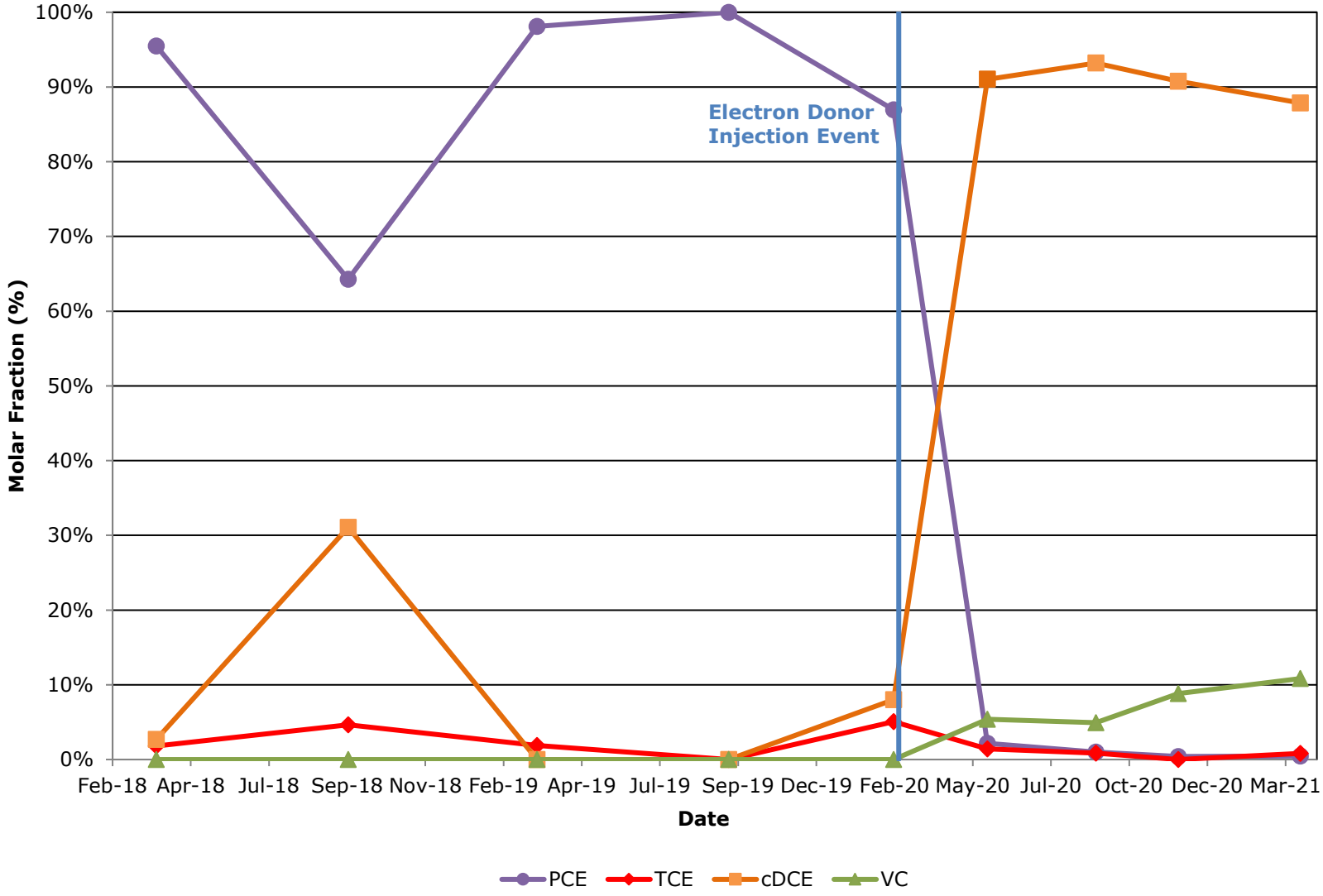
Figure D-12: Molar Fraction of VOCs at Well MW-98-05AR
Rowe Industries Site - Sag Harbor, New York



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