Prepared for: Kraft Heinz Food Company, Inc.

Prepared by: Ramboll US Corporation Milwaukee, Wisconsin

Date: **May 2020**

Project Number: **1690016505**

ELECTRON DONOR INJECTION DOCUMENTATION REPORT

FORMER DRUM STORAGE AREA ROWE INDUSTRIES SITE SAG HARBOR, NEW YORK



CONTENTS

1.	INTRODUCTION	1
2.	BACKGROUND	1
2.1	Site History	1
2.2	Previous Unsaturated Zone Treatment within the FDSA	1
2.3	Previous and Existing Saturated Zone Treatment Within and Downgradient of the FDSA	2
3.	IN-SITU REDUCTIVE DECHLORINATION GROUNDWATER REMEDIATION	2
3.1	Pre-Injection Activities	3
3.2	February 2020 Groundwater Monitoring Event	3
3.3	February 2020 FDSA Groundwater Remedial Action	6
3.4	Post-Injection Monitoring Program	7

TABLES

- Table 1: Groundwater Elevation Measurements
- Table 2: Groundwater Field Parameter Results
- Table 3:
 Summary of Groundwater Sample Analytical Results

FIGURES

- Figure 1: Site Location Map
- Figure 2: Site Layout
- Figure 3: Water Table Elevations and Monthly Total Precipitation
- Figure 4: February 2020 Electron Donor Injection Locations
- Figure 5: PCE Concentrations in Soil
- Figure 6: Geologic Cross-Section A-A'
- Figure 7: Geologic Cross-Section B-B'
- Figure 8: Potentiometric Surface Map (February 19-20, 2020)
- Figure 9: PCE Concentrations in Groundwater (February 19-20, 2020)

APPENDICES

- Appendix A: GPRS Underground Utility Locating Report
- Appendix B: Redox Tech Field Services Report
- Appendix C: Photolog of Electron Donor Injection Activities
- Appendix D: Groundwater Sampling Field Logs
- Appendix E: Analytical Laboratory Report

Ramboll US Corporation 175 North Corporate Drive Suite 160 Brookfield, WI 53045 USA T +1 262 901 0099 F +1 262 901 0079 www.ramboll.com

ACRONYMS AND ABBREVIATIONS

AMSL	above mean sea level
ARARs	Applicable or Relevant and Appropriate Requirements
bgs	below ground surface
CVOCs	chlorinated volatile organic compounds
cDCE	cis-1,2-dichloroethene
COCs	contaminants of concern
Dhc	Dehalococcoides
DO	dissolved oxygen
EVO	emulsified vegetable oil
ERD	enhanced reductive dechlorination
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.
MCL	Maximum Contaminant Level
µg/L	micrograms per liter
NOAA	National Oceanic and Atmospheric Administration
ORP	oxidation reduction potential
Ramboll	Ramboll US Corporation
ROD	Record of Decision
SVE	soil vapor extraction
PCE	tetrachloroethene
тос	total organic carbon
TCE	trichloroethene
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VC	vinyl chloride
VOC	volatile organic compound
WSP	WSP USA
ZVI	zero valent iron

1. INTRODUCTION

On behalf of Kraft Heinz Foods Company, Inc. (Kraft Heinz), Ramboll US Corporation (Ramboll) has prepared this *Electron Donor Injection (EDI) Documentation Report* to document 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 (Figures 1 and 2). This EDI Report has been prepared as a follow-up to the Ramboll November 2019 *Work Plan for In-Situ Groundwater Remediation, Former Drum Storage Area (FDSA), Rowe Industries Site*, and the subsequent United States Environmental Protection Agency (USEPA) email dated January 22, 2020, which provided approval of the November 2019 Work Plan.

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 Unsaturated Zone Treatment Within the FDSA

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

As part of the information presented in the January 2005 LBGHES report, exceedances of the ARAR for PCE in soil were identified from soil samples collected at borings C3-2 and C3-4 in January 2003. The detected PCE in these soil boring samples was located at depths below the annual highwater 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 and Existing Saturated Zone Treatment Within and Downgradient of the FDSA

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 from migrating beyond the FDSA.

In December 2002, a Site 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 so the pump and treat 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's approval once the water quality in those wells had achieved ARARs for at least 3 consecutive years. FP&T wells FRW-1 through FRW-4, and also downgradient FSP&T well RW-2, currently remain in operation. 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 recently-completed *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. IN-SITU REDUCTIVE DECHLORINATION GROUNDWATER REMEDIATION

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 4 and Figure 5). This treatment zone encompasses previously-detected CVOC concentrations in soil associated with a clay lens and interbedded sands and silts beneath the FDSA. The proposed treatment included the injection of approximately 5,800 pounds of micron scale ZVI in combination with approximately 8,700 pounds of carbon substrate, as well as 5 liters of microbial culture that includes *Dehalococcoides* (*Dhc*) to facilitate dechlorination. *Dhc* are the only group of microorganisms documented to promote the complete dechlorination of chlorinated ethenes to non-toxic ethene. The reagents are combined with potable water using guar to suspend the ZVI and also sodium sulfite to reduce dissolved oxygen (DO) in solution to support *Dhc-induced* halorespiration.

3.1 Pre-Injection Activities

Prior to conducting the injections, water table elevations at monitoring wells MW-45A and MW-98-04 were monitored on a monthly basis to verify that the injections were conducted during high water table conditions. Figure 3 shows the results of the recent and historic water level monitoring near the FDSA along with the local USGS monitoring well. Water table levels in the FDSA prior to and during the injections ranged from 9 to 10 feet above mean sea level (AMSL), which corresponds to the high end of the historic water table level range in the FDSA.

The FRW wells were shut down in early February 2020 such that the groundwater extraction system would not depress groundwater elevations within the FDSA, which allowed for an understanding of ambient groundwater elevations prior to implementation of amendment injection. The FRWs will remain off following the EDR injections to facilitate development of anaerobic conditions to reductively dechlorinate CVOCs.

3.2 February 2020 Groundwater Monitoring Event

A baseline groundwater monitoring event was conducted on February 19 and 20, 2020, 1 week prior to the ISCR/ISB injection event, to document ambient groundwater conditions within and adjacent to the groundwater treatment zone. These results will be used to compare against post-injection monitoring results to evaluate how conditions change in response to the amendment addition. Pursuant to the November 2019 Ramboll Work Plan, the following monitoring wells were sampled as part of the February 2020 quarterly groundwater monitoring event: FRW-1, MW-45A, MW-98-01A, MW-98-04, and MW-98-05AR. Groundwater sampling field logs are provided as Appendix D. Monitoring wells FRW-2, FRW-3, and FRW-4 were not sampled during the baseline event due to issues with accessing the groundwater with the extraction pumps in place. The extraction well pumps will be removed prior to the next sampling event so that all wells may be sampled as part of future groundwater monitoring events. The collected groundwater samples were submitted to York Analytical Laboratories, Inc., a New York-certified laboratory, and the laboratory reports are provided in Appendix E.

3.2.1 Water Table Elevations

As indicated in Table 1, measured depths to the water table below top of well casing ranged from 18.2 feet at monitoring well MW-45A to 20.7 feet at monitoring well MW-98-01A. The measured water table elevations ranged from 9.00 to 9.77 feet AMSL, which is within the high end of historic water table elevations measured at the Site. Based on the measured water table elevations, the inferred direction of shallow groundwater flow is to the north-northeast (Figure 8), at an estimated horizontal hydraulic gradient of 0.018. Historical inferred directions of shallow groundwater flow have been to the north-northwest within the FDSA. However, it should be noted that groundwater elevations were not obtained from the FRW wells as part of the February 2020 monitoring event, based on the presence of extraction pumps in the wells as indicated above. Future groundwater monitoring events should yield more reliable inferred directions of groundwater flow, based on water table elevations from all of the monitored wells.

3.2.2 Groundwater Field Parameter Results

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 bladder or 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 oxidation-reduction potential (ORP) were measured at all sampled monitoring wells and the results are documented in Table 2.

The field parameter data obtained as part of the February 2020 baseline groundwater monitoring event are summarized as follows:

- Groundwater is under anaerobic to mildly aerobic conditions as the monitoring wells revealed baseline DO concentrations that ranged from 0.11 milligrams per liter (mg/L) at MW-45A to 4.95 mg/L at FRW-1.
- The ORP of the groundwater samples from the performance monitoring wells ranged from +81 millivolts (mV) at MW-98-01A, to +215 mV at FRW-1. These results indicate that the groundwater is under mildly oxidizing conditions.
- The pH of the groundwater ranged from pH 5.20 at FRW-1 to 6.14 at MW-98-05AR; in general, microbes prefer a pH range of 5 to 9 and *Dhc* microbial development is supported at pH values between 6 and 8. The injected ABC[®] carbon substrate contains a phosphate pH buffer, and hydroxyl ions produced from corrosion of ZVI should also increase pH within the treatment zone to levels favorable for *Dhc* development.
- The temperature of the groundwater ranged from 9.85 to 11.38 degrees Celsius, which is in a range that is favorable for most microbial enzymatic reactions.

3.2.3 Geochemical Analytical Results

Detected geochemical constituent concentrations in collected groundwater samples are summarized in Table 3, and laboratory analytical reports are provided in Appendix E.

3.2.3.1 Total Organic Carbon

TOC is an indicator of natural organic carbon as part of baseline site characterization and is 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 monitoring wells ranged from 2.16 to 2.66 mg/L, confirming that addition of carbon substrate is likely required to sustain an anaerobic bioremediation treatment zone.

3.2.3.2 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 monitoring wells ranged from 6.84 to 12.1 mg/L; these relatively low native sulfate concentrations should not pose a high electron donor demand within the groundwater treatment zone.

3.2.3.3 Nitrate

Nitrate is another 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 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.

3.2.3.4 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. These relatively low baseline dissolved iron concentrations are not consistent with strongly reducing conditions.

3.2.3.5 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 of ethene or ethane. These findings indicate that the addition of carbon substrate would likely be required for further reduction of the CVOCs in site groundwater.

3.2.4 Volatile Organic Compounds

Based on concentration and frequency of detection, the predominant constituent of interest detected in the February 2020 baseline groundwater samples is PCE (Table 3). The other detected VOCs at substantially lower concentrations were cDCE, VC, and 1,1,1-trichloroethane. The following PCE concentrations were detected in groundwater samples obtained as part of the February 2020 baseline sampling event within the target treatment area:

- FRW-1: 320 ug/L;
- MW-98-01A: 4.1 ug/L; and

• MW-98-05AR: 26 J¹ ug/L.

For monitoring wells located outside of the target treatment area, hydraulically downgradient monitoring well MW-45A and hydraulically trans-gradient monitoring well MW98-04 did not contain detectable concentrations of PCE. As expected, groundwater conditions in the FDSA prior to injection were similar to historic measurements which were used to design the amendments mixture for the injection event.

3.3 February 2020 FDSA Groundwater Remedial Action

Ramboll contracted Redox Tech, LLC (Redox Tech) to implement ISCR/ISB via electron donor injection within the FDSA at the Rowe Industry Site in Sag Harbor, New York. Redox Tech, LLC. mobilized to the Site on February 24, 2020, for injection operations. Ramboll also contracted with GPRS for subsurface utility clearance prior to conducting the intrusive work. Public utility locations were confirmed by Ramboll, and GPRS proceeded to scan the entire treatment area (approximately 2,000 square feet) and identify locations of observed utilities such as electrical supply and piping to the recovery wells and former soil vapor extraction and air sparge wells. The GPRS underground utility locating report is provided as Appendix A.

Redox Tech arrived with the ISCR/ISB reagents which included five 1,000-liter totes of Anerobic BioChem (ABC[®]) carbon substrate, 5 liters of *Dhc-containing* bacteria (commercially known as "RTB-1") stored in a stainless steel canister inside a chilled cooler, and 6,000 pounds of micron-scale ZVI on pallets. In addition to the ISCR/ISB reagents, Redox Tech used guar 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. The ABC[®] carbon substrate was added to a 500-gallon poly tote for each injection point, and mixed into solution with tap water and the sodium sulfite. 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 6 and Figure 7). The injections were performed using a direct push drill rig with hollow stem rods, the 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 minimal 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. The electron donor injection activities are further documented in the Redox Tech field services report provided as Appendix B, and a photolog of the injection activities is provided as Appendix C.

¹ Qualified by project laboratory as an estimated value between the limit of detection and limit of quantification.

3.4 Post-Injection Monitoring Program

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

The groundwater monitoring will continue 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 on their regular annual monitoring schedule. The frequency of groundwater monitoring and scope of laboratory analyses may be modified during the groundwater monitoring program in response to results and field observations. A report documenting the results of each monitoring event will be submitted to the USEPA. The first post-injection groundwater monitoring event is scheduled to be completed in late May 2020. The focused recovery wells have been turned off to prevent removal of the injected reagents; however, downgradient extraction well RW-2 will remain active and follow the current monitoring and operation schedule until post-injection monitoring confirms that PCE concentrations have stabilized.

It should be noted that the monitoring schedule identified above assumes that the field work will proceed as planned and that current conditions and limitations associated with the COVID-19 pandemic will not affect our ability to complete the work in a timely manner. Adjustments to the schedule may be required once issues related to work limitations due to COVID-19 are better understood.

4. **REFERENCES CITED**

Air Force Center for Environmental Excellence (AFCEE). 2004. "Principles and Practices of Enhanced Anaerobic Bioremediation of Chlorinated Solvents." Environmental Security Technology Certification Program, Arlington, Virginia.

TABLES

Table 1Groundwater Elevation MeasurementsFormer Rowe Industries Superfund SiteSag Harbor, New York

Well ID	MW-9	8-01A	MW-9	98-04	MW-98	3-05AR	FR\	N-1	FR	N-2	FR\	N-3	FRV	N-4	MW-	-45A
PVC Well Casing Elevation	30	.47	28	.00	29	.26	31.	00	N	S	29.	36	28.	73	27.	.44
Top of Well Screen Elevation	1	3	1	2	1	1	1	1	N	S	N	S	N	S	1	4
Bottom of Well Screen Elevation	:	3	2	2		1	1		N	S	Ν	S	N	S	-1	1
Sample Date	Depth to Water	GW Elevation														
2/19/2020-2/20/2020	20.70	9.77	18.30	9.70	20.00	9.26	22.00	9.00	NM	NM	NM	NM	NM	NM	18.20	9.24
2/24/2020	NM	NM	18.41	9.59	NM	NM	21.31	9.69	19.85	NS	19.70	9.66	19.05	9.68	18.28	9.16

Abbreviations:

GW -- Groundwater NM -- Not measured

NS -- Not surveyed

Notes:

 Elevation is reported as feet above mean sea level using North American Vertical Datum of 1988 (NAVD88)
 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	рН	Dissolved oxygen	Oxidation Reduction Potential	Specific Conductivity	Temperature
	Units	S.U.	mg/L	mV	uS/cm	°C
Monitoring Well ID	Sample Date					
MW-98-01A	2/19/2020	5.70	1.20	+81	141	10.90
MW-98-04	2/19/2020	5.67	0.48	+130	157	10.44
MW-98-05AR	2/19/2020	6.14	0.88	+82	151	11.38
FRW-1	2/19/2020	5.20	4.95	+215	85	11.23
MW-45A	2/20/2020	6.00	0.11	+124	149	9.85

Notes:

S.U. = Standard Units

mg/L = milligrams per Liter

mV = millivolts

uS/cm = microsiemens per centimeter

°C = Celsius

TABLE 3 Summary of Groundwater Sample Analytical Results

	Location	NY State Ambient	FRW1	FRW1	MW-45A	MW-98-01A	MW-98-04	MW-98-05AR
	Sample Date	Groundwater	2/20/2020	2/20/2020	2/20/2020	2/20/2020	2/19/2020	2/19/2020
	Comments	Standards		Field Duplicate				
VOC								
c	cis-1,2-Dichloroethene	5	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	1.4 (0.2)
	Tetrachloroethene	5	320 (2)	320 (2)	U (0.2)	4.1 (0.2)	U (0.2)	26 J (0.2)
	1,1,1-Trichloroethane	5	0.57 (0.2)	0.68 (0.2)	U (0.2)	U (0.2)	U (0.2)	3.5 (0.2)
	Trichloroethene	5	1.4 (0.2)	1.4 (0.2)	U (0.2)	U (0.2)	U (0.2)	1.2 (0.2)
WQ					. ,	. ,	. ,	
-	Nitrate	10000	166 (50)	179 (50)		1170 (50)		649 (50)
	Sulfate	250000	12100 (1000)	11800 (1000)		8890 (1000)		6840 (1000)
тос								
(Organic Carbon (total)		2170 (1000)	2340 (1000)		2160 (1000)		2660 (1000)
PDIST	,							
	Ethane		U (10)	U (10)		U (10)		U (10)
	Ethene		U (10)	U (10)		U (10)		U (10)
	Methane		U (10)	U (10)		250 (10)		250 (10)
INORG (d	lissolved)					· · · ·		
·	Iron		U (10)	U (10)		232 (10)		465 (10)

Notes:

1 All concentrations are presented in ug/L .

2 Only compounds with at least one detection are shown.

3 Concentrations that exceed the NY State Ambient Groundwater Standards are **boldfaced**.

Abbreviations:

VOC -- Volatile Organic Compounds.

WQ -- Water Quality.

TOC -- Total Organic Carbon.

PDIST -- Petroleum Distillates.

INORG -- Inorganic.

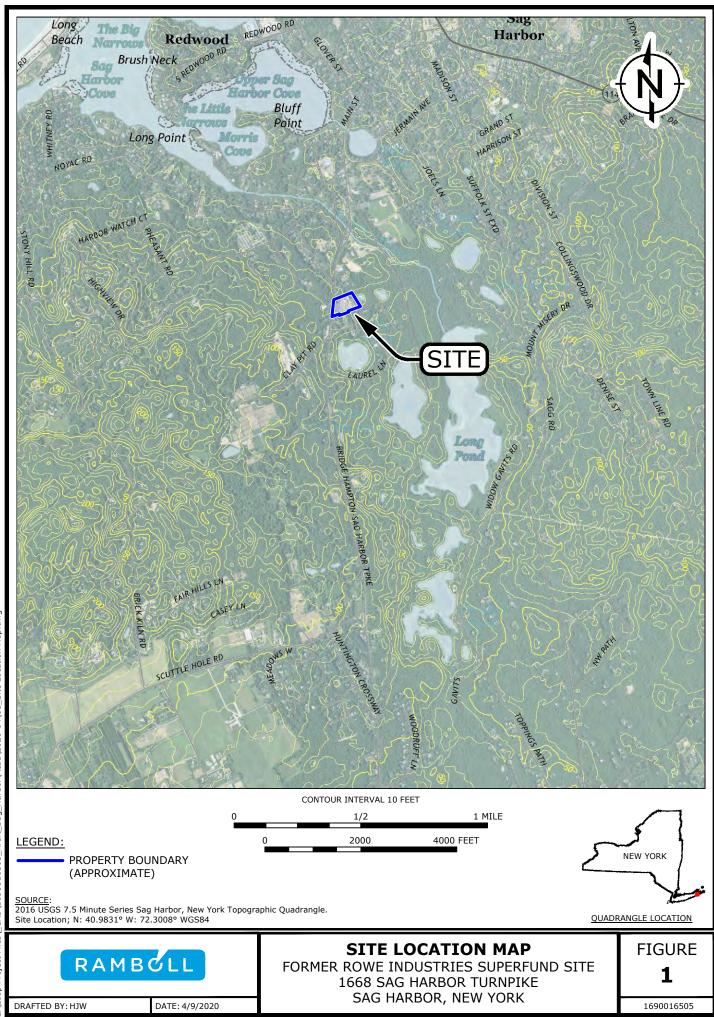
U -- Not Detected.

J -- Estimated Concentration.

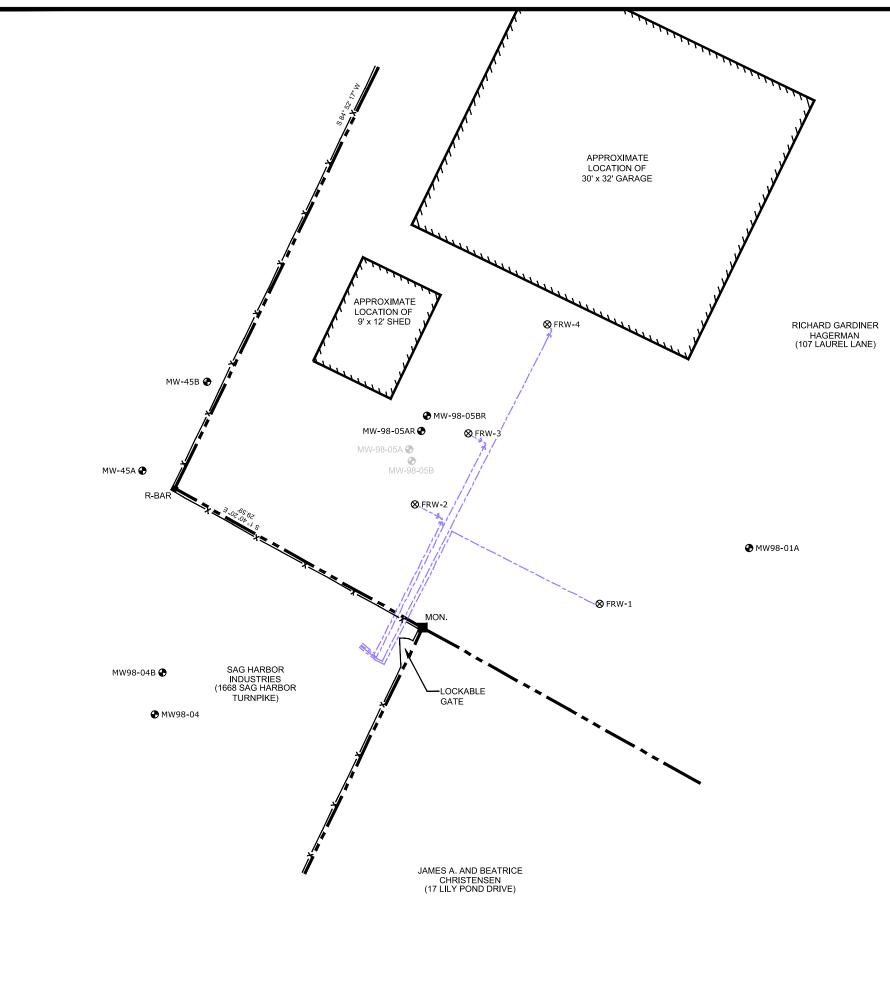
() -- Detection Limit.

--- Not Analyzed.

FIGURES



L:\Loop Project Files_CAD\1690016505_Kraft_Sag_Harbor\Acad\2020-04\01_Site Location Map.dwg

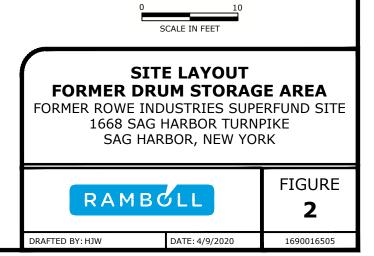


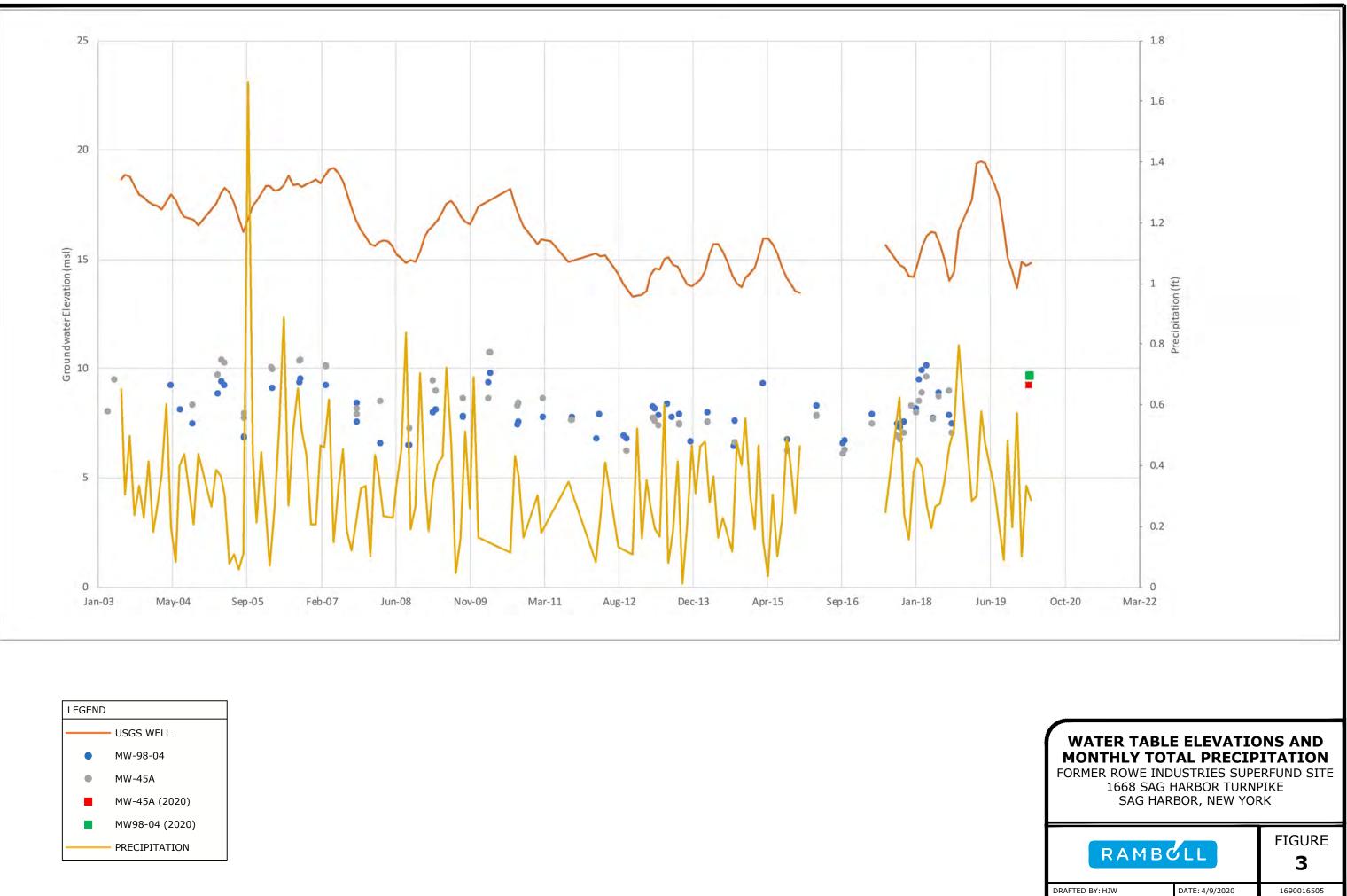


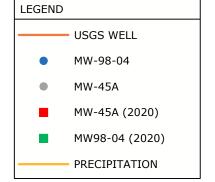
LEGEND

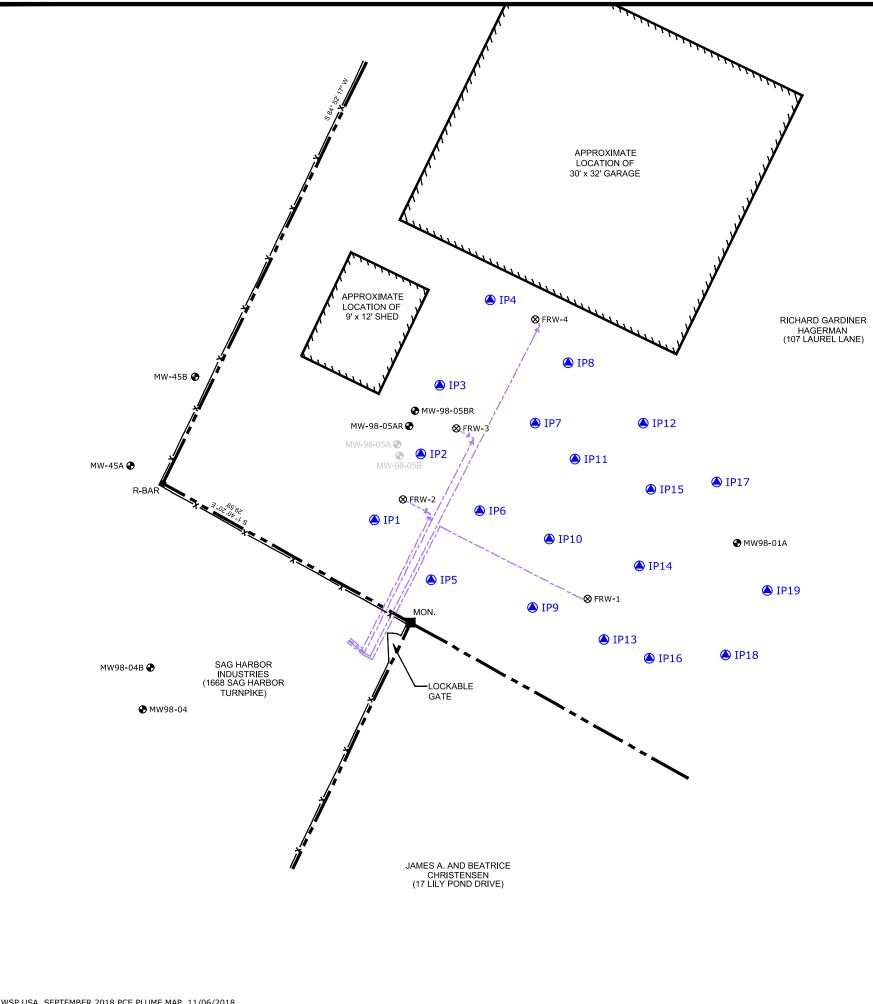
	PROPERTY BOUNDARY
x	CHAIN LINK FENCE
	APPROXIMATE LOCATION OF FOCUSED REMEDIATION GROUNDWATER RECOVERY PIPING
⊗ FRW-3	FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
• MW-98-04	GROUNDWATER MONITOR WELL
WW-98-05B	DAMAGED MONITOR WELL DECOMMISSIONED IN DECEMBER 2015

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







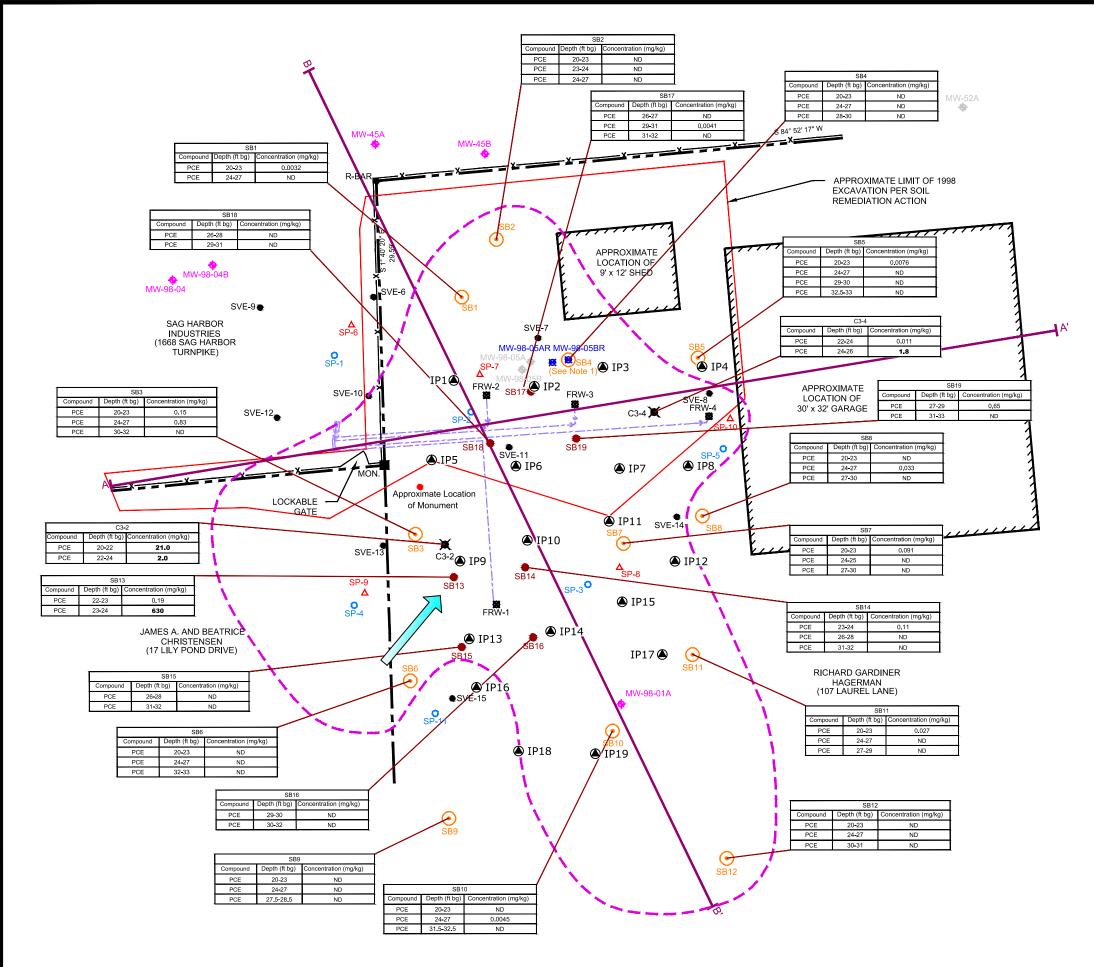




	LEGEND
	PROPERTY BOUNDARY
x	CHAIN LINK FENCE
	APPROXIMATE LOCATION OF FOCUSED REMEDIATION GROUNDWATER RECOVERY PIPING
⊗ FRW-3	FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
• MW-98-04	GROUNDWATER MONITOR WELL
MW-98-05B	DAMAGED MONITOR WELL DECOMMISSIONED IN DECEMBER 2015
٩	FEBRUARY 2020 INJECTION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

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

	0 10 SCALE IN FEET	
INJEC FORMER ROWE 1668 SA	2020 ELECTRO TION LOCATION INDUSTRIES SUPP AG HARBOR TURN HARBOR, NEW YO	ONS ERFUND SITE PIKE
RAM	BULL	FIGURE
DRAFTED BY: HJW	DATE: 4/9/2020	1690016505





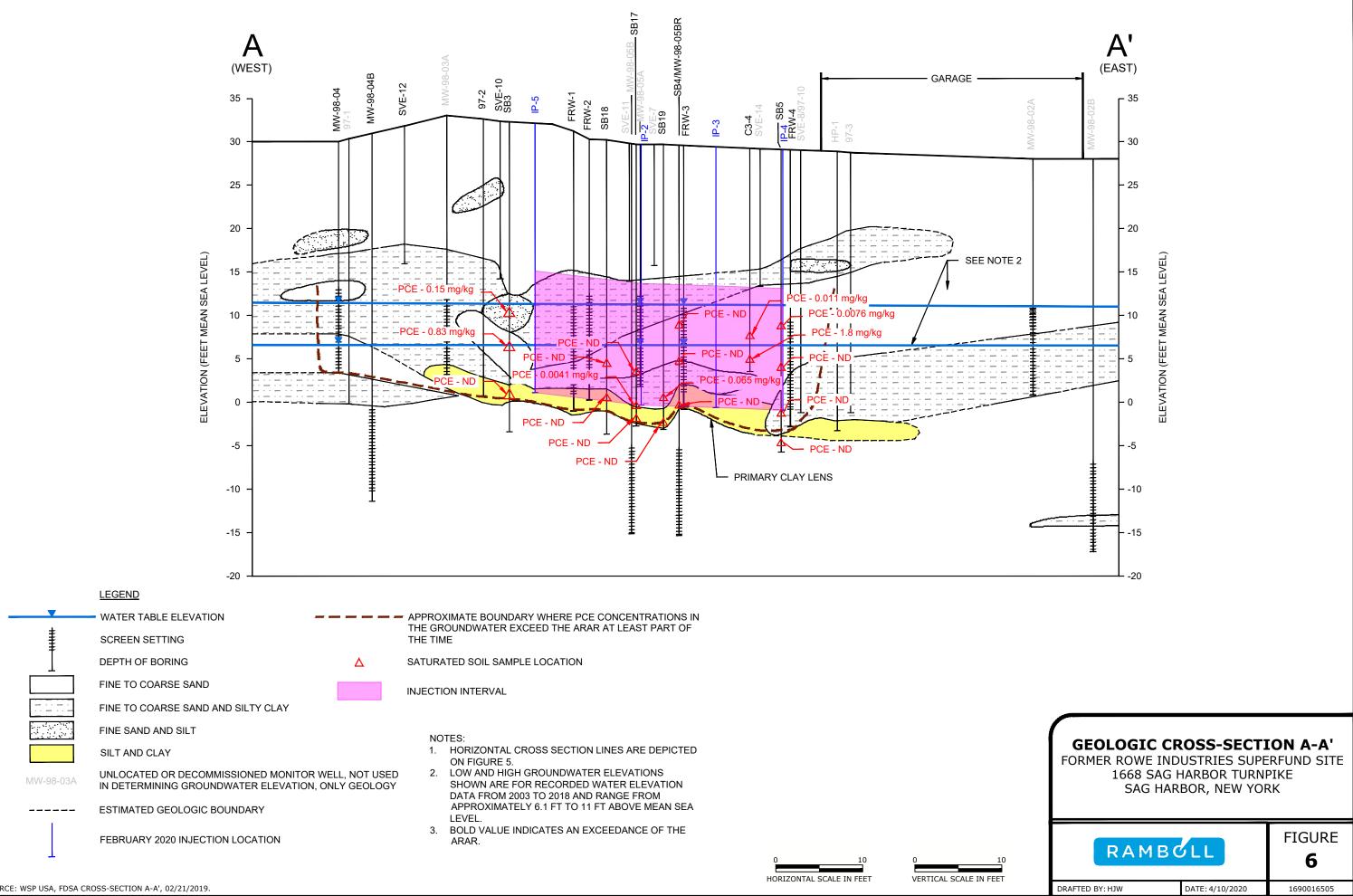
	LEGEND
	PROPERTY BOUNDARY
x	CHAIN LINK FENCE
	APPROXIMATE LOCATION OF FOCUSED REMEDIATION GROUNDWATER RECOVERY PIPING
	APPROXIMATE EXTENT OF CLAY LENS (~25 - 33 ft.bg.)
FRW-3	FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
MW-98-04	GROUNDWATER MONITOR WELL LOCATION
×	JANUARY 2003 BORING LOCATION
\odot	DECEMBER 2015 BORING LOCATION
MW-98-05B	DECOMMISSIONED MONITOR WELL
*	REPLACEMENT MONITOR WELL INSTALLED IN DECEMBER 2015
∆ SP-10	SHALLOW AIR SPARGE WELL LOCATION
O SP-5	DEEP AIR SPARGE WELL LOCATION
SVE-9	SVE WELL LOCATION
۲	JUNE 2018 SOIL BORING
	GROUNDWATER FLOW DIRECTION
	FEBRUARY 2020 INJECTION LOCATION

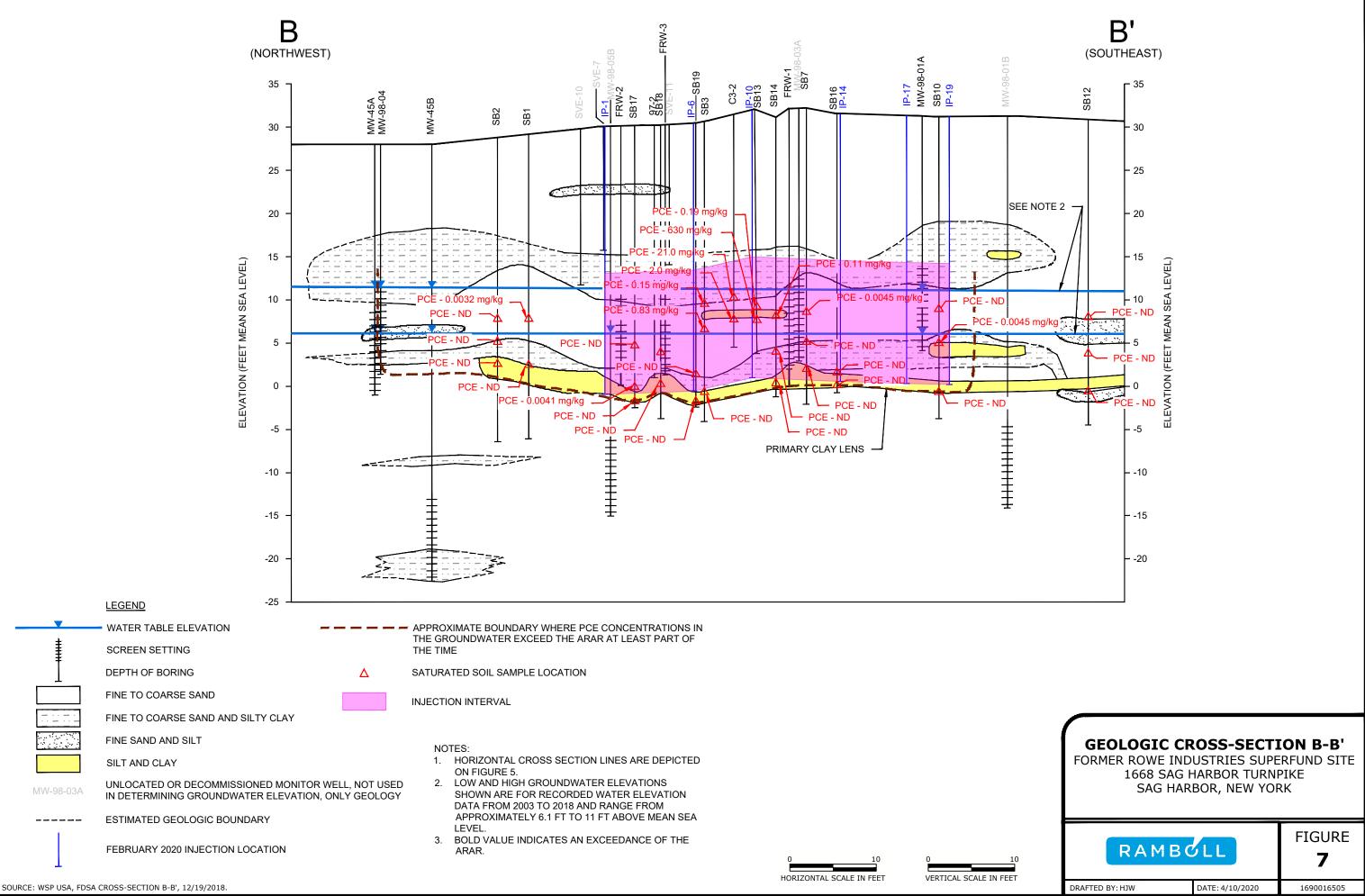
NOTES:

1. BORING SB4 WAS COMPLETED AS MW-98-05BR.

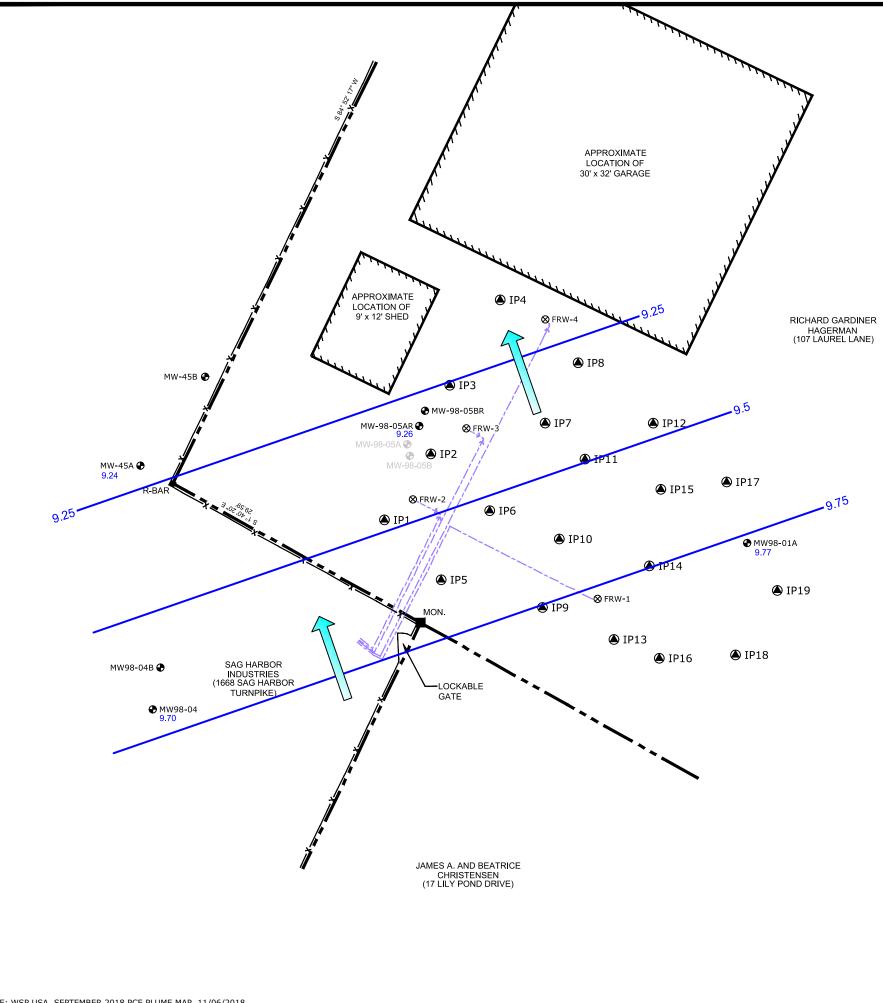
2. A BOLD VALUE INDICATES AN EXCEEDANCE OF THE ARAR.

0 S	CALE IN FEET	
		RFUND SITE
RAMBO		FIGURE 5
DRAFTED BY: HJW	DATE: 4/10/2020	1690016505





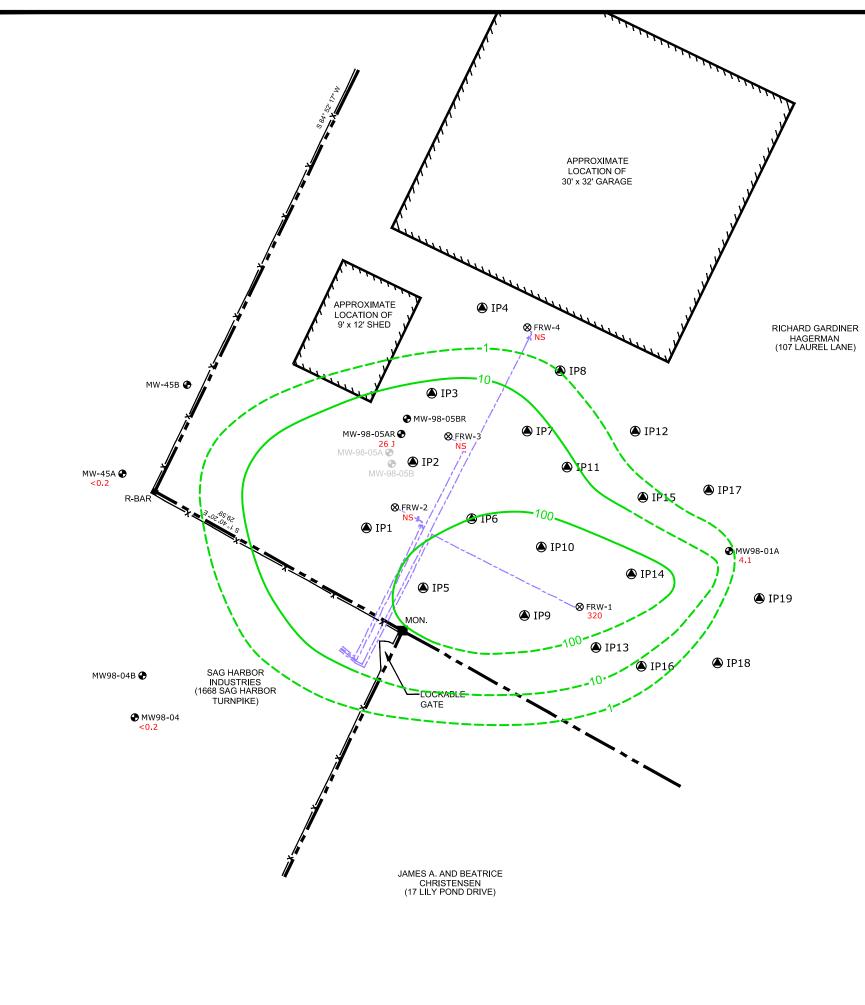






	LEGEND
	PROPERTY BOUNDARY
x	CHAIN LINK FENCE
	APPROXIMATE LOCATION OF FOCUSED REMEDIATION GROUNDWATER RECOVERY PIPING
⊗ FRW-3	FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
(MW-98-04	GROUNDWATER MONITOR WELL
WW-98-05B	DAMAGED MONITOR WELL DECOMMISSIONED IN DECEMBER 2015
9.26	POTENTIOMETRIC SURFACE ELEVATION (FT MSL)
9.25	POTENTIOMETRIC SURFACE ELEVATION CONTOUR (0.25-FOOT INTERVALS)
	GROUNDWATER FLOW DIRECTION
۲	FEBRUARY 2020 INJECTION LOCATION
<u>NOTES:</u> 1. 'R' IN WELL WELL.	DESIGNATION INDICATES REPLACEMENT

5	SCALE IN FEET				
FORMER ROWE IND 1668 SAG	RY 19-20, 2	020) RFUND SITE PIKE			
RAMBOLL FIGURE 8					
DRAFTED BY: HJW	DATE: 4/10/2020	1690016505			





	LEGEND
	PROPERTY BOUNDARY
x	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
2.63	PCE CONCENTRATION (µg/L)
NS	NOT SAMPLED
● MW-98-05B	DAMAGED MONITOR WELL DECOMMISSIONED IN DECEMBER 2015
1	PCE CONCENTRATION CONTOURS (µg/L) (DASHED WHERE INFERRED)
۲	FEBRUARY 2020 INJECTION LOCATION

NOTES:

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

0 10 SCALE IN FEET							
PCE CONCENTRATIONS IN GROUNDWATER (FEBRUARY 19-20, 2020) FORMER ROWE INDUSTRIES SUPERFUND SITE 1668 SAG HARBOR TURNPIKE SAG HARBOR, NEW YORK							
RAMBO	LL	FIGURE 9					
DRAFTED BY: HJW	DATE: 4/9/2020	1690016505					

APPENDIX A

GPRS UNDERGROUND UTILITY LOCATING REPORT



Summary of Underground Utility Locating for Soil Borings

Prepared For: Ramboll

Prepared By: Michael Kiernan michael.kiernan@gprsinc.com Project Manager-New York (347) 213-8681



Ramboll Attn: Matthew Sweet Site: 107 Laurel Lane, Sag Harbor, NY

We appreciate the opportunity to provide this report for our work completed on February 24, 2020.

PURPOSE

The purpose of the project was to search for underground utilities within a radius of approximately 5' around each proposed boring location. The scope of work consisted of 1 location. The client marked the desired location prior to our scanning and our markings were then placed onto the surface using spray paint.

EQUIPMENT

- Underground Scanning GPR Antenna. The antenna with frequencies ranging from 250 MHz-450 MHz is mounted in a stroller frame which rolls over the surface. The surface needs to be reasonably smooth and unobstructed in order to obtain readable scans. Obstructions such as curbs, landscaping, and vegetation will limit the feasibility of GPR. The data is displayed on a screen and marked in the field in real time. The total depth achieved can be as much as 8' or more with this antenna but can vary widely depending on the types of materials being scanned through. Some soil types such as clay may limit maximum depths to 3' or less. As depth increases, targets must be larger in order to be detected and non-metallic targets can be especially difficult to locate. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: Link
- Electromagnetic Pipe Locator. The EM locator can passively detect the electromagnetic fields from live AC power or from radio signals travelling along some conductive utilities. It can also be used in conjunction with a transmitter to connect directly to accessible, metallic pipes or tracer wires. A current is sent through the pipe or tracer wire at a specific frequency and the resulting EM field can then be detected by the receiver. A utility's ability to be located depends on a variety of factors including access to the utility, conductivity, grounding, interference from other fields, and many others. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: Link

PROCESS

The process typically begins with using the EM pipe locator to locate pipes or utilities throughout the scan area. First, the transmitter is used to connect to and trace any visible risers, tracer wires, or accessible, conductive utilities provided that there is an exposed, metallic surface. The areas are then swept with the receiver to detect live power or radio frequency signals. Locations and depths are painted or flagged on the surface. Depths cannot always be provided depending on the location method and can be prone to error.

Initial GPR scans were then collected in order to evaluate the data and calibrate the equipment. Based on these findings, a scanning strategy is formed, typically consisting of scanning the entire area in a grid with 3' scan spacing in order to locate any potential utilities that were not found with the pipe locator. The GPR data is viewed in real time and anomalies in the data are located and marked on the surface along with their depths using spray paint, pin flags, etc. A higher frequency concrete scanning antenna is typically used for locations that are placed on reinforced concrete.

LIMITATIONS

Please keep in mind that there are limitations to any subsurface investigation. The equipment may not achieve maximum effectiveness due to soil conditions, above ground obstructions, reinforced concrete, and a variety of other factors. No subsurface investigation or equipment can provide a complete image of what lies below. Our results should always be used in conjunction with as many methods as possible including consulting existing plans and drawings, exploratory excavation or potholing, visual inspection of above-ground features, and utilization of services such as One Call/811. Depths are dependent on the dielectric of the materials being scanned so depth accuracy can vary throughout a site. Relevant scan examples were saved and will be provided in this report.

FINDINGS

The subsurface conditions at the time of the scanning allowed for maximum GPR depth penetration of 4' in most areas. Multiple utilities were able to be located and were either identified by type or marked as an unknown. Utilities that were able to be identified by type include power and unknown. Some utilities were not able to be located such as water, gas, drainage, sewage, and communications. Unknowns marked within the scope of work may represent utilities but they could not be traced to a termination point or identifying structure. The following pages will provide further explanation of the findings.



107 Laurel Ln E-W: Photo of the site location containing 19 soil borings in total going East to West. The pink lines shown above illustrate unknown utilities that were found.



107 Laurel Ln S-N: Photo of the site location containing 19 soil borings in total going South to North. The pink lines shown above illustrate unknown utilities that were found.

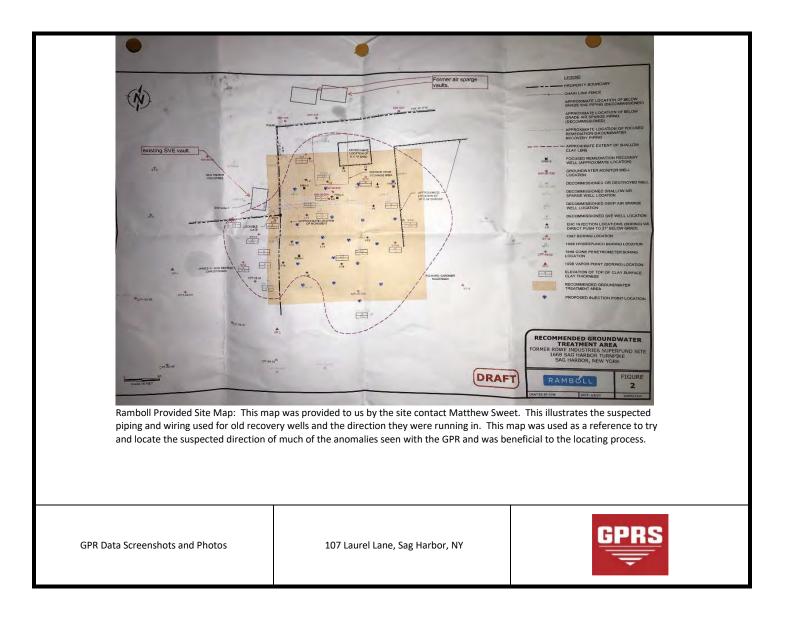


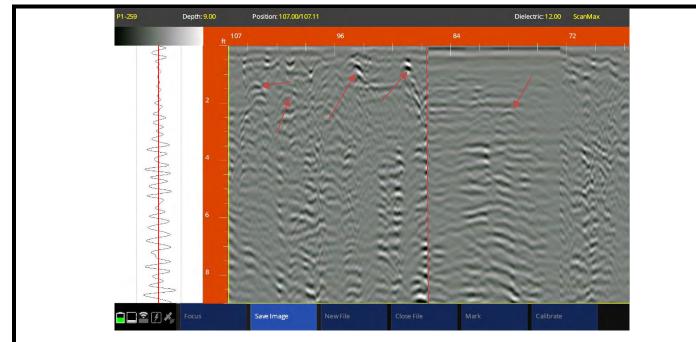
107 Laurel Ln N-S: Photo of the site location containing 19 soil borings in total going North to South. The pink lines shown above illustrate unknown utilities that were found while the few red lines show power tones that were found.



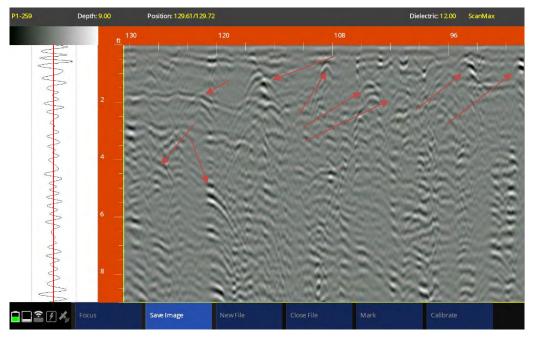
107 Laurel Ln W-E: Photo of the site location containing 19 soil borings in total going West to East. The pink lines shown above illustrate unknown utilities that were found while the few red lines show power tones that were found.

Prepared By: Michael Kiernan Date of Scanning: February 24, 2020	Terms and Conditions	LEGEND					
	GPRS does not provide land survey or civil		ELECTRIC		SANITARY	107 Laurel Lane, Sag Harbor, NY	Prepared by:
	0 0		WATER		STORM		
	reference map of the field markings and is		СОММ		UNKNOWN		
			GAS				





Scan Going Both Directions: This scan illustrates the data taken from a scan East to West (left of red line) and North to South (right of red line). The red arrows indicate the anomalies seen while scanning through the area and where utilities were traced out and marked on the ground. Many of these were at varying depths as shown by the depth table to the left of the scan above.



Long Scan Going E-W: This is a long scan of the entire area going East to West showing various unknown utilities all at different depths across the area. As illustrated by the red arrows above there were many anomalies in the ground that were traced out and marked in spray paint.

GPR Data Screenshots and Photos

107 Laurel Lane, Sag Harbor, NY



LOSING

GPRS, Inc. has been in business since 2001, specializing in underground storage tank location, concrete scanning, utility locating, and shallow void detection for projects throughout the United States. I encourage you to visit our website (<u>www.gprsinc.com</u>) and contact any of the numerous references listed.

With the utilization of both the EM pipe locator and the underground GPR antenna, multiple utilities were able to be located and marked out in the area in order for soil borings to be dug throughout the area. The process began with the EM pipe locator being implemented in order to detect any power lines of which two were located and marked out immediately. After this was completed the GPR was used in order to locate everything else illustrated in the pictures above on page 3. After everything was located and marked out, a site walk was taken with the client in order to re-establish proper boring locations. All the new proposed locations were away from any utility lines marked by at least 2' and were to commence with a hand dig due to the density of utility lines in the area and the limitations of the GPR scan depth.

GPRS appreciates the opportunity to offer our services, and we look forward to continuing to work with you on future projects. Please feel free to contact us for additional information or with any questions you may have regarding this report.

Signed,

Michael Kiernan Project Manager—New York



Direct: (347) 213-8681 michael.kiernan@gprsinc.com www.gprsinc.com

APPENDIX B

REDOX TECH FIELD SERVICES REPORT



"Providing Innovative In Situ Soil and Groundwater Treatment"

February 28, 2020

Mr. Mark Mejac Senior Managing Consultant Ramboll US Corporation 175 North Corporate Drive, Suite 160 Brookfield, WI 53045 Email: mmejac@ramboll.com

RE: Summary Letter for Field Services at the Former Rowe Industries Superfund Site Sag Harbor, NY

Dear Mr. Mejac,

This letter provides a brief summary of the field events performed from February 24 through February 27, 2020 at the Former Rowe Industries Superfund Site in Sag Harbor, NY. The purpose of this work was to inject our Anaerobic BioChem Plus (ABC⁺) solution with DHC culture (i.e. RTB-1) to promote reductive dechlorination of PCE and daughter products.

Injection of ABC^+ was conducted via direct push drilling techniques at nineteen (19) locations spaced approximately 10 feet apart. The locations of all injection locations were determined by Ramboll personnel and pre-cleared using a private utility locator (also arranged by Ramboll). Injections targeted a 15 foot zone from 16 to 30 feet bgs and 17 to 31 feet bgs. The different target depths were defined by Ramboll personnel and are summarized on the log sheets provided (**Appendix A**).

A total of 15,000lbs of ABC^+ (i.e. 9,000 lbs of $ABC^{\text{®}}$ and 6,000lbs of ZVI) in addition to 5L of RTB-1 were injected. The ZVI component was added at 40% by weight with respect to the $ABC^{\text{®}}$ mass. The $ABC^{\text{®}}$ was prepared in 250 gallon batches with potable water (which was deoxygenated using small quantities of sodium sulfite) at a 15 weight percent solution. Once mixed, approximately 0.13L of RTB-1 was mixed into each 250 gallon batch to distribute the bacteria. This solution was then transferred into the mixing hopper on our injection trailer where appropriate amounts of ZVI were added. A minimal amount of guar was also used to help keep the ZVI in suspension.

Each injection location received ~495 gallons of slurry for a total of 9,405 gallons. Injections were conducted at 1-foot intervals beginning at the bottom of the borehole and working upwards at each location to ensure proper vertical distribution was achieved. Therefore, each interval received approximately ~33 gallons of slurry. The formation received the slurry easily with minimal injections pressures (~100psi) and flow rates exceeding 8 gpm consistently.

At the completion of injection work, all equipment was removed from site. If there are any questions regarding the work, please do not hesitate to email me at <u>markesic@redox-tech.com</u>, or via phone at (248) 564-3403.

Regards,

Steve Markesic

APPENDIX A

INJECTION LOGS (INCLUDING SUMMARY TABLE AND INJECTION LOCATION MAP)

Injection	Date	Number of	Solution Injected	ABC Injected	DHC Injected	ABC Injected	ZVI Injected	ABC+ Injected
Point		Intervals	(gal)	(gal)	(L)	(lbs)	(lbs)	(lbs)
IP-1	2/27/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-2	2/26/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-3	2/26/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-4	2/26/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-5	2/26/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-6	2/26/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-7	2/26/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-8	2/26/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-9	2/25/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-10	2/25/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-11	2/26/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-12	2/27/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-13	2/25/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-14	2/25/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-15	2/25/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-16	2/25/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-17	2/27/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-18	2/25/2020	15	495	58.0	0.26	473.7	315.8	789.5
IP-19	2/27/2020	15	495	58.0	0.26	473.7	315.8	789.5

 Table 1: Injection Summary Table for Sag Harbor, NY

Totals	9,405	1102	5	9,000	6,000	15,000
--------	-------	------	---	-------	-------	--------

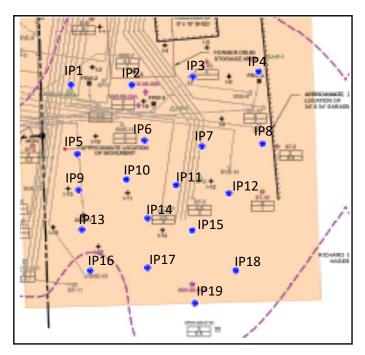


Figure 1: Injection Location Map Sag Harbor, IN

			Redox	x Tech Da	ta Collec	tion She	et			
Date:		2/27/2020		Page No:		1				
Client:		Ramboll				Keith Precious				
Rig Type:		Geoprobe 6620					Sag Harbor, NY			
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI			
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location			
Point Names:		IP-1								
Fluid Injected:	AB	BC+ slurry with F	TB-1							
Depth (ft bgs)	Start Time End Time Elapsed Time			Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)			
31	8:52	8:55	3	11.00	100	33				
30	8:55	8:58	3	11.00	100	33				
29	8:58	9:00	2	16.50	100	33				
28	9:00	9:03	3	11.00	100	33				
27	9:03	9:06	3	11.00	100	33				
26	9:06	9:09	3	11.00	100	33				
25	9:09	9:11	2	16.50	100	33				
24	9:11	9:14	3	11.00	100	33				
23	9:14	9:17	3	11.00	100	33				
22	9:17	9:20	3	11.00	100	33				
21	9:20	9:23	3	11.00	100	33				
20	9:23	9:23 9:26 3		11.00	100	33				
19	9:26			11.00	100	33				
18	9:29				100	33				
17	9:32	9:35	3	11.00	100	33				

			Redo	x Tech Da	ta Collec	tion She	et			
Date:		2/26/2020		Page No:		2				
Client:		Ramboll					Keith Precious			
Rig Type:	Geoprobe 6620		Site Name:			Sag Harbor, NY				
Inj. Tool:	Bottom - Up			Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI			
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location			
Point Names:		IP-2								
Fluid Injected:	AB	C+ slurry with R	TB-1							
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)			
30	13:46	13:49	3	11.00	100	33				
29	16:49	13:52	3	11.00	100	33				
28	13:52	13:55	3	11.00	100	33				
27	16:55	13:58	3	11.00	100	33				
26	16:58	14:01	3	11.00	100	33				
25	14:01	14:04	3	11.00	100	33				
24	14:04	14:07	3	11.00	100	33				
23	14:07	14:10	3	11.00	100	33				
22	14:10	14:13	3	11.00	100	33				
21	14:13	14:16	3	11.00	100	33				
20	14:16	14:19	3	11.00	100	33				
19	14:19	14:22	3	11.00	100	33				
18	14:22	14:25	3	11.00	100	33				
17	14:25	14:28	3	11.00	100	33				
16	14:28	14:31	3	11.00	100	33				

			Redo	x Tech Da	ta Collec	tion She	et			
Date:		2/26/2020		Page No:		3				
Client:		Ramboll					Keith Precious			
Rig Type:	Geoprobe 6620		Site Name:			Sag Harbor, NY				
Inj. Tool:	Bottom - Up			Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI			
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location			
Point Names:		IP-3								
Fluid Injected:	AB	C+ slurry with R	TB-1							
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)			
30	16:11	16:15	4	8.25	100	33				
29	16:15	16:18	3	11.00	100	33				
28	16:18	16:21	3	11.00	100	33				
27	16:21	16:24	3	11.00	100	33				
26	16:24	16:27	3	11.00	100	33				
25	16:27	16:30	3	11.00	100	33				
24	16:30	16:33	3	11.00	100	33				
23	16:33	16:36	3	11.00	100	33				
22	16:36	16:39	3	11.00	100	33				
21	16:39	16:42	3	11.00	100	33				
20	16:42	16:45	3	11.00	100	33				
19	16:45	16:48	3	11.00	100	33				
18	16:48	16:51	3	11.00	100	33				
17	16:51	16:54	3	11.00	100	33				
16	16:54	16:57	3	11.00	100	33				

			Redo	x Tech Da	ta Collec	tion She	et			
Date:		2/26/2020		Page No:	4					
Client:		Ramboll		Data Taker:			Keith Precious			
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY			
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI			
Pipe Diam (in):	1.25"			Area:			~0.26L RTB-1 per location			
Point Names:	IP-4									
Fluid Injected:	AB	C+ slurry with F	TB-1							
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)			
30	11:57	12:00	3	11.00	100	33				
29	12:00	12:03	3	11.00	100	33				
28	12:03	12:06	3	11.00	100	33				
27	12:06	12:09	3	11.00	100	33				
26	12:09	12:13	4	8.25	100	33				
25	12:13	12:16	3	11.00	100	33				
24	12:16	12:19	3	11.00	100	33				
23	12:19	12:23	3	11.00	100	33				
22	12:23	12:27	4	8.25	100	33				
21	12:27	12:30	3	11.00	100	33				
20	12:30	12:33	3	11.00	100	33				
19	12:33	12:37	4	8.25	100	33				
18	12:37	12:40	3	11.00	100	33				
17	12:40	12:43	3	11.00	100	33				
16	12:43	12:46	3	11.00	100	33				

			Redo	x Tech Da	ta Collec	tion She	et			
Date:		2/26/2020		Page No:	5					
Client:		Ramboll		Data Taker:			Keith Precious			
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY			
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI			
Pipe Diam (in):	1.25"			Area:			~0.26L RTB-1 per location			
Point Names:	IP-5									
Fluid Injected:	ABC+ slurry with RTB-1									
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)			
31	10:39	10:42	3	11.00	100	33				
30	10:42	10:45	3	11.00	100	33				
29	10:45	10:48	3	11.00	100	33				
28	10:48	10:52	4	8.25	100	33				
27	10:52	10:55	3	11.00	100	33				
26	10:55	10:59	4	8.25	100	33				
25	10:59	11:02	3	11.00	100	33				
24	11:02	11:05	3	11.00	100	33				
23	11:05	11:08	3	11.00	100	33				
22	11:08	11:11	3	11.00	100	33				
21	11:11	11:14	3	11.00	100	33				
20	11:14	11:17	3	11.00	100	33				
19	11:17	11:20	3	11.00	100	33				
18	11:20	11:23	3	11.00	100	33				
17	11:23	11:26	3	11.00	100	33				

			Redo	x Tech Da	ta Collec	tion She	et				
Date:		2/26/2020		Page No:							
Client:		Ramboll		Data Taker:		Keith Precious					
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY				
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI				
Pipe Diam (in):	1.25"			Area:			~0.26L RTB-1 per location				
Point Names:	IP-6										
Fluid Injected:	AB	C+ slurry with F	TB-1								
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)				
31	8:13	8:16	3	11.00	100	33					
30	8:16	8:20	4	8.25	100	33					
29	8:20	8:23	3	11.00	100	33					
28	8:23	8:26	4	8.25	100	33					
27	8:26	8:29	3	11.00	100	33					
26	8:29	8:32	3	11.00	100	33					
25	8:32	8:35	3	11.00	100	33					
24	8:44	8:48	4	8.25	100	33					
23	8:48	8:51	3	11.00	100	33					
22	8:51	8:54	3	11.00	100	33					
21	8:54	8:57	3	11.00	100	33					
20	8:57	9:00	3	11.00	100	33					
19	9:00	9:03	3	11.00	100	33					
18	9:03	9:06	3	11.00	100	33					
17	9:06	9:36	3	11.00	100	33					

			Redo	x Tech Da	ta Collec	tion She	et
Date:		2/26/2020		Page No:			7
Client:		Ramboll		Data Taker:			Keith Precious
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI
Pipe Diam (in):	: 1.25"			Area:			~0.26L RTB-1 per location
Point Names:	IP-7						
Fluid Injected:							
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
31	9:36	8:16	3	11.00	100	33	
30	9:39	8:20	4	8.25	100	33	
29	9:43	8:23	3	11.00	100	33	
28	9:46	8:26	4	8.25	100	33	
27	9:49	8:29	3	11.00	100	33	
26	9:53	8:32	3	11.00	100	33	
25	9:56	8:35	3	11.00	100	33	
24	9:59	8:48	4	8.25	100	33	
23	10:02	8:51	3	11.00	100	33	
22	10:06	8:54	3	11.00	100	33	
21	10:09	8:57	3	11.00	100	33	
20	10:13	9:00	3	11.00	100	33	
19	10:17	9:03	3	11.00	100	33	
18	10:21	9:06	3	11.00	100	33	
17	10:24	9:36	3	11.00	100	33	

			Redo	x Tech Da	ta Collec	tion She	et
Date:		2/26/2020		Page No:			8
Client:		Ramboll		Data Taker:			Keith Precious
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI
Pipe Diam (in):	1.25"			Area:			~0.26L RTB-1 per location
Point Names:	IP-8						-
Fluid Injected:	AB	C+ slurry with R	TB-1				
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
30	14:32	14:34	2	16.50	100	33	
29	14:34	14:36	2	16.50	100	33	
28	14:36	14:39	3	11.00	100	33	
27	14:39	14:42	3	11.00	100	33	
26	14:42	14:45	3	11.00	100	33	
25	14:45	14:48	3	11.00	100	33	
24	14:48	14:51	3	11.00	100	33	
23	14:51	14:54	3	11.00	100	33	
22	14:54	14:57	3	11.00	100	33	
21	14:57	15:00	3	11.00	100	33	
20	15:00	15:03	3	11.00	100	33	
19	15:03	15:06	3	11.00	100	33	
18	15:06	15:09	3	11.00	100	33	
17	15:09	15:12	3	11.00	100	33	
16	15:12	15:15	3	11.00	100	33	

			Redo	x Tech Da	ta Collec	tion She	et		
Date:		2/25/2020		Page No:	9				
Client:		Ramboll		Data Taker:			Keith Precious		
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY		
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI		
Pipe Diam (in):	1.25"			Area:			~0.26L RTB-1 per location		
Point Names:	IP-9								
Fluid Injected:	AB	BC+ slurry with R	RTB-1						
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)		
31	16:31	16:34	3	11.00	100	33			
30	16:34	16:37	3	11.00	100	33			
29	16:37	16:40	3	11.00	100	33			
28	16:40	16:43	3	11.00	100	33			
27	16:43	16:46	3	11.00	100	33			
26	16:46	16:50	4	8.25	100	33			
25	16:50	16:54	4	8.25	100	33			
24	16:54	16:58	4	8.25	100	33			
23	16:58	17:01	3	11.00	100	33			
22	17:01	17:04	3	11.00	100	33			
21	17:04	17:07	3	11.00	100	33			
20	17:07	17:11	4	8.25	100	33			
19	17:11	17:15	4	8.25	100	33			
18	17:15	17:18	3	11.00	100	33			
17	17:18	17:21	3	11.00	100	33			

			Redo	x Tech Da	ta Collec	tion She	et			
Date:		2/25/2020		Page No:			10			
Client:		Ramboll		Data Taker:		Keith Precious				
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY			
Inj. Tool:				Fluid Conc:	Each ir	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI			
Pipe Diam (in):	1.25"			Area:			~0.26L RTB-1 per location			
Point Names:	IP-10						·			
Fluid Injected:	ABC+ slurry with RTB-1									
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)			
31	9:05	9:08	3	11.00	100	33				
30	9:08	9:11	3	11.00	100	33				
29	9:11	9:14	3	11.00	100	33				
28	9:14	9:17	3	11.00	100	33				
27	9:18	9:21	3	11.00	100	33				
26	9:21	9:24	3	11.00	100	33				
25	9:24	9:29	5	6.60	100	33				
24	9:29	9:32	3	11.00	100	33				
23	9:32	9:35	3	11.00	100	33				
22	9:35	9:39	4	8.25	100	33				
21	9:39	9:42	3	11.00	100	33				
20	9:42	9:46	4	8.25	100	33				
19	9:46	9:49	3	11.00	100	33				
18	9:49	9:52	3	11.00	100	33				
					ļ					

			Redo	x Tech Da	ta Collec	tion She	et		
Date:	2/26/2020 Page No			Page No:	11				
Client:	Ramboll		Data Taker:			Keith Precious			
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY		
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI		
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location		
Point Names:		IP-11							
Fluid Injected:	AE	BC+ slurry with R	TB-1						
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)		
31	15:18	15:21	3	11.00	100	33			
30	15:21	15:24	3	11.00	100	33			
29	15:24	15:27	3	11.00	100	33			
28	15:27	15:30	3	11.00	100	33			
27	15:30	15:33	3	11.00	100	33			
26	15:33	15:36	3	11.00	100	33			
25	15:36	15:39	3	11.00	100	33			
24	15:39	15:42	3	11.00	100	33			
23	15:42	15:45	3	11.00	100	33			
22	15:45	15:48	3	11.00	100	33			
21	15:48	15:51	3	11.00	100	33			
20	15:51	15:54	3	11.00	100	33			
19	15:54	15:57	3	11.00	100	33			
18	15:57	16:00	3	11.00	100	33			
17	16:00	16:03	3	11.00	100	33			

			Redo	x Tech Da	ta Collec	tion She	et		
Date:		2/27/2020		Page No:			12		
Client:	Ramboll			Data Taker:					
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY		
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI		
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location		
Point Names:		IP-12							
Fluid Injected:	AE	BC+ slurry with R	TB-1						
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)		
31	9:40	9:43	3	11.00	100	33			
30	9:43	9:45	2	16.50	100	33			
29	9:45	9:48	3	11.00	100	33			
28	9:48	9:51	3	11.00	100	33			
27	9:51	9:54	3	11.00	100	33			
26	9:54	9:57	3	11.00	100	33			
25	9:57	10:00	3	11.00	100	33			
24	10:00	10:03	3	11.00	100	33			
23	10:03	10:06	3	11.00	100	33			
22	10:06	10:09	3	11.00	100	33			
21	10:09	10:12	3	11.00	100	33			
20	10:12	10:15	3	11.00	100	33			
19	10:15	10:18	3	11.00	100	33			
18	10:18	10:21	3	11.00	100	33			
17	10:21	10:24	3	11.00	100	33			

			Redo	x Tech Da	ta Collec	tion She	et
Date:		2/25/2020		Page No:			13
Client:	Ramboll			Data Taker:			Keith Precious
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location
Point Names:		IP-13					
Fluid Injected:	AE	BC+ slurry with R	TB-1				
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
31	15:26	15:30	3	11.00	100	33	
30	15:30	15:33	3	11.00	100	33	
29	15:33	15:36	3	11.00	100	33	
28	15:36	15:39	3	11.00	100	33	
27	15:39	15:43	4	8.25	100	33	
26	15:43	15:47	4	8.25	100	33	
25	15:47	15:50	3	11.00	100	33	
24	15:50	15:53	3	11.00	100	33	
23	15:53	15:56	3	11.00	100	33	
22	15:56	15:59	3	11.00	100	33	
21	15:59	16:02	3	11.00	100	33	
20	16:02	16:06	4	8.25	100	33	
19	16:06	16:09	3	11.00	100	33	
18	16:09	16:12	3	11.00	100	33	
17	16:12	16:15	3	11.00	100	33	

			Redo	x Tech Da	ta Collec	tion She	et
Date:		2/25/2020		Page No: 14			
Client:		Ramboll		Data Taker:			Keith Precious
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY
Inj. Tool:		Bottom - Up		Fluid Conc:	Each ir	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location
Point Names:		IP-14					
Fluid Injected:	AB	C+ slurry with R	TB-1				
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
31	11:05	11:08	3	11.00	100	33	
30	11:08	11:11	3	11.00	100	33	
29	11:11	11:14	3	11.00	100	33	
28	11:14	11:17	3	11.00	100	33	
27	11:17	11:20	3	11.00	100	33	
26	11:20	11:23	3	11.00	100	33	
25	11:23	11:26	3	11.00	100	33	
24	11:26	11:29	3	11.00	100	33	
23	11:29	11:32	3	11.00	100	33	
22	11:32	11:35	3	11.00	100	33	
21	11:35	11:38	3	11.00	100	33	
20	11:38	11:42	4	8.25	100	33	
19	11:42	11:45	3	11.00	100	33	
18	11:45	11:48	3	11.00	100	33	
17	11:48	11:51	3	11.00	100	33	

			Redo	x Tech Da	ta Collec	tion She	et
Date:		2/25/2020		Page No:			15
Client:	Ramboll		Data Taker:			Keith Precious	
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location
Point Names:		IP-15					-
Fluid Injected:	AE	BC+ slurry with R	.TB-1				
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
31	13:26	13:29	3	11.00	100	33	
30	13:29	13:32	3	11.00	100	33	
29	13:32	13:35	3	11.00	100	33	
28	13:35	13:38	3	11.00	100	33	
27	13:38	13:41	3	11.00	100	33	
26	13:41	13:44	3	11.00	100	33	
25	13:44	13:47	3	11.00	100	33	
24	13:47	13:50	3	11.00	100	33	
23	13:50	13:52	2	16.50	100	33	
22	13:52	13:55	3	11.00	100	33	
21	13:55	13:57	2	16.50	100	33	
20	13:57	14:00	3	11.00	100	33	
19	14:00	14:03	3	11.00	100	33	
18	14:03	14:06	3	11.00	100	33	
17	14:06	14:09	3	11.00	100	33	

			Redo	x Tech Da	ta Collec	tion She	et
Date:		2/25/2020 Page No: 16				16	
Client:		Ramboll		Data Taker:			Keith Precious
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location
Point Names:		IP-16					
Fluid Injected:	AB	C+ slurry with F	TB-1				
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
31	10:00	10:03	3	11.00	100	33	
30	10:03	10:07	4	8.25	100	33	
29	10:07	10:10	3	11.00	100	33	
28	10:10	10:12	2	16.50	100	33	
27	10:12	10:15	3	11.00	100	33	
26	10:15	10:18	3	11.00	100	33	
25	10:18	10:21	3	11.00	100	33	
24	10:21	10:24	3	11.00	100	33	
23	10:24	10:27	3	11.00	100	33	
22	10:27	10:30	3	11.00	100	33	
21	10:30	10:33	3	11.00	100	33	
20	10:33	10:36	3	11.00	100	33	
19	10:36	10:39	3	11.00	100	33	
18	10:39	10:42	3	11.00	100	33	
17	10:42	10:46	4	8.25	100	33	

			Redo	x Tech Da	ta Collec	tion She	et
Date:	2/27/2020 Page No: 17				17		
Client:		Ramboll		Data Taker:			Keith Precious
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location
Point Names:		IP-17					
Fluid Injected:	AB	C+ slurry with F	TB-1				
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
31	10:34	10:37	3	11.00	100	33	
30	10:37	10:40	3	11.00	100	33	
29	10:40	10:43	3	11.00	100	33	
28	10:44	10:47	3	11.00	100	33	
27	10:47	10:50	3	11.00	100	33	
26	10:50	10:53	3	11.00	100	33	
25	10:53	10:56	3	11.00	100	33	
24	10:56	10:59	3	11.00	100	33	
23	10:59	11:02	3	11.00	100	33	
22	11:02	11:05	3	11.00	100	33	
21	11:05	11:08	3	11.00	100	33	
20	11:08	11:12	4	8.25	100	33	
19	11:12	11:15	3	11.00	100	33	
18	11:15	11:18	3	11.00	100	33	
17	11:18	11:21	3	11.00	100	33	

			Redo	x Tech Da	ta Collec	tion She	et
Date:		2/25/2020 Page No: 18				18	
Client:		Ramboll		Data Taker:			Keith Precious
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location
Point Names:		IP-18					-
Fluid Injected:	AE	BC+ slurry with R	.TB-1				
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
31	14:31	14:35	4	8.25	100	33	
30	14:35	14:38	3	11.00	100	33	
29	14:38	14:41	3	11.00	100	33	
28	14:41	14:45	4	8.25	100	33	
27	14:45	14:48	3	11.00	100	33	
26	14:48	14:51	3	11.00	100	33	
25	14:51	14:54	3	11.00	100	33	
24	14:54	14:57	3	11.00	100	33	
23	14:57	15:01	4	8.25	100	33	
22	15:01	15:05	4	8.25	100	33	
21	15:05	15:07	2	16.50	100	33	
20	15:07	15:11	4	8.25	100	33	
19	15:11	15:15	4	8.25	100	33	
18	15:15	15:19	4	8.25	100	33	
17	15:19	15:22	3	11.00	100	33	

			Redo	x Tech Da	ta Collec	tion She	et
Date:		2/27/2020 Page No: 19				19	
Client:		Ramboll		Data Taker:			Keith Precious
Rig Type:		Geoprobe 6620)	Site Name:			Sag Harbor, NY
Inj. Tool:		Bottom - Up		Fluid Conc:	Each in	terval receives	~33 gallons ABC solution (15 wt%) and ~21 lbs ZVI
Pipe Diam (in):		1.25"		Area:			~0.26L RTB-1 per location
Point Names:		IP-19					
Fluid Injected:	AE	BC+ slurry with R	TB-1				
Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
31	11:45	11:48	3	11.00	100	33	
30	11:48	11:51	3	11.00	100	33	
29	11:51	11:54	3	11.00	100	33	
28	11:54	11:57	3	11.00	100	33	
27	11:57	12:00	3	11.00	100	33	
26	12:00	12:03	3	11.00	100	33	
25	12:03	12:06	3	11.00	100	33	
24	12:06	12:09	3	11.00	100	33	
23	12:09	12:12	3	11.00	100	33	
22	12:12	12:15	3	11.00	100	33	
21	12:15	12:18	3	11.00	100	33	
20	12:18	12:21	3	11.00	100	33	
19	12:21	12:24	3	11.00	100	33	
18	12:24	12:27	3	11.00	100	33	
17	12:27	12:30	3	11.00	100	33	

APPENDIX C

PHOTOLOG OF ELECTRON DONOR INJECTION ACTIVITIES

















APPENDIX D

GROUNDWATER SAMPLING FIELD LOGS



Monitoring Well -

FRW-1

Sampling Information

Date (MM/DD/YY) -	02/19/20
Personnel -	Eleanor Seery
Weather -	35°F, Sunny
Sampling Device -	Geopump Peristaltic Pump
Sampling Device -	35°F, Sunny

Well Information

Well Vault PID -	N/A	ppb
Well Casing PID -	N/A	ppb
PID # -	N/A	
Water Quality Meter # -	N/A	_

Pump Controller -	N/A	_
Refill -	N/A	sec
Discharge -	N/A	sec
Pressure -	N/A	psi
Pressure -	N/A	psi
		-

Measured Depth to Bottom -	30.0	ft BTOC
Screened Zone -	20-30	ft BGS
Depth to Pump Intake -	25.00	ft BGS
Pre-Pump (Static) Depth to Water -	22.00	ft BTOC
Post-Pump Depth to Water -	22.00	ft BTOC

Well Evacuation Data

Stabiliza	tion Criteria		± 0.1 SU	±3%	± 10 %	±3%	± 10 mV	± 10 %	0.3 ft	
Time	Vol.	Rate	рН	Cond.	Turb.	Temp.	ORP	DO	DTW	Appearance or
	L	mL/min	Std	ms/cm	NTU	С	mV	mg/L	ft	Comments
11:53		250	9.80	0.084	0.0	11.62	100	7.88	22.00	clear
11:58	1.3	250	5.73	0.083	0.0	11.31	237	6.25	22.00	clear
12:03	2.5	250	5.39	0.083	0.0	11.32	241	6.01	22.00	clear
12:08	3.8	250	5.40	0.083	0.0	11.28	237	5.96	22.00	clear
12:13	5.0	250	5.32	0.083	0.0	11.26	225	5.57	22.00	clear
12:18	6.3	250	5.27	0.084	0.0	11.22	218	5.40	22.00	clear
12:23	7.5	250	5.25	0.085	0.0	11.20	217	5.10	22.00	clear
12:28	SAMPLE	250	5.20	0.085	0.0	11.23	215	4.95	22.00	clear

Notes / Sample Information

Sample ID - FRW1-20200220 Sample Time - 12:28

- Appearance at Start - Appearance After Purging			Additional Sample			Field Duplicate DUP-20200220	
Total Volume Purged -	8.7	liters	Additional Sample D DTW After F	Purging -		ft bTOC	
Purge Rate -	250-250	mL/min	DTW at Time of Sa	ampling -	22.00	ft bTOC	

Analyses - Volatile Organic Compounds (EPA Method 8260), Sulfate (EPA Method 300), Ethene/Ethane/Methane (EPA Method 8015), Dissolved Iron (EPA Method 601B/200.7), Total Organic Carbon (EPA Method 9060), Nitrate + Nitrite (EPA Method 353.2)



Monitoring Well - MW-45A

Sampling Information

Date (MM/DD/YY) -	02/20/20
Personnel -	Eleanor Seery
Weather -	35°F, Sunny
Sampling Device -	QED Sample Pro Bladder Pump
Sampling Device -	QED Sample Pro Bladder Pump

Well Information

N/A	ppb
N/A	ppb
N/A	_
N/A	_
	N/A N/A

Measured Depth to Bottom -	28.9	ft BTOC
Screened Zone -	13.9-28.9	ft BGS
Depth to Pump Intake -	18.90	ft BGS
Pre-Pump (Static) Depth to Water -	18.20	ft BTOC
Post-Pump Depth to Water -	18.30	ft BTOC

Pump Controller -
Refill -MP50Refill -
Discharge -
Pressure -N/ASec
N/Asec

Well Evacuation Data

Stabiliza	ation Criteria		± 0.1 SU	±3%	± 10 %	±3%	± 10 mV	± 10 %	0.3 ft	
Time	Vol.	Rate	рΗ	Cond.	Turb.	Temp.	ORP	DO	DTW	Appearance or
	L	mL/min	Std	ms/cm	NTU	С	mV	mg/L	ft	Comments
8:00		200	5.65	0.179	50.0	9.90	250	5.67	18.30	clear
8:05	1.0	200	5.65	0.155	43.0	10.13	213	3.20	18.30	clear
8:10	2.0	200	5.78	0.151	28.0	10.25	178	1.76	18.30	clear
8:15	3.0	200	5.86	0.150	14.0	10.23	163	1.11	18.30	clear
8:20	4.0	200	5.89	0.148	13.0	10.20	145	0.68	18.30	clear
8:25	5.0	200	5.90	0.148	0.0	10.10	148	0.53	18.30	clear
8:30	6.0	200	5.92	0.147	0.0	10.10	142	0.57	18.30	clear
8:35	7.0	200	6.00	0.147	0.0	10.05	138	0.30	18.30	clear
8:40	8.0	200	5.99	0.147	0.0	10.00	133	0.14	18.30	clear
8:45	9.0	200	6.02	0.148	0.0	9.90	130	0.10	18.30	clear
8:50	10.0	200	6.02	0.148	0.0	9.84	128	0.11	18.30	clear
8:55	SAMPLE	200	6.00	0.149	0.0	9.85	124	0.11	18.30	clear

Notes / Sample Information

Appearance at Start - clear Appeara

earance After Purging -	clear		
Total Volume Purged -	11.0	liters	
Purge Rate -	200-200	mL/min	

Analyses - Volatile Organic Compounds (EPA Method 8260)

Sample ID - MW45A-20200220 Sample Time - 8:55

Additional Sample - Additional Sample ID -	None N/A				
•	r Purging Sampling	18.30 18.30	ft bTOC ft bTOC		



Monitoring Well - MW-98-01A

Sampling Information

Date (MM/DD/YY) -	02/19/20
Personnel -	Eleanor Seery
Weather -	35°F, Partly Cloudy
Sampling Device -	QED Sample Pro Bladder Pump

Well Information

Well Vault PID -	N/A	ppb
Well Casing PID -	N/A	ppb
PID # -	N/A	_
Water Quality Meter # -	N/A	-

Measured Depth to Bottom -	27.0	ft BTOC
Screened Zone -	17-27	ft BGS
Depth to Pump Intake -	23.00	ft BGS
Pre-Pump (Static) Depth to Water -	20.70	ft BTOC
Post-Pump Depth to Water -	20.70	ft BTOC

Pump Controller -
Refill -MP50Refill -
Discharge -
Pressure -N/ASec
N/Asec

Well Evacuation Data

Stabiliza	tion Criteria		± 0.1 SU	±3%	± 10 %	±3%	± 10 mV	± 10 %	0.3 ft	
Time	Vol.	Rate	рН	Cond.	Turb.	Temp.	ORP	DO	DTW	Appearance or
	L	mL/min	Std	ms/cm	NTU	С	mV	mg/L	ft	Comments
9:22		250	6.49	0.175	154.0	6.47	125	2.99	20.70	murky
9:27	1.3	250	6.25	0.157	45.0	10.54	98	1.00	20.70	murky
9:32	2.5	250	6.01	0.153	21.0	10.77	85	0.89	20.70	murky
9:37	3.7	250	5.86	0.150	0.0	10.94	81	0.87	20.70	murky
9:42	5.0	250	5.82	0.147	0.0	10.90	81	1.12	20.70	murky
9:47	6.2	250	5.78	0.144	0.0	10.90	81	1.11	20.70	murky
9:52	7.5	250	5.72	0.142	0.0	10.90	81	1.15	20.70	murky
9:57	8.7	250	5.72	0.142	0.0	10.91	80	1.17	20.70	murky
10:02	SAMPLE	250	5.70	0.141	0.0	10.90	81	1.20	20.70	murky

Notes / Sample Information

Sample ID -	MW-98-01A-20200220
Sample Time -	10:02

Appearance at Start -	murky		Additional Sample -		No	ne	
Appearance After Purging -	murky		Additional Sample ID -		N/	Ά	
Total Volume Purged -	10.0	liters	DTW After	r Purging -	20.70	ft bTOC	
Purge Rate -	250-250	mL/min	DTW at Time of S	Sampling - 🛽	20.70	ft bTOC	

Analyses - Volatile Organic Compounds (EPA Method 8260), Sulfate (EPA Method 300), Ethene/Ethane/Methane (EPA Method 8015), Dissolved Iron (EPA Method 601B/200.7), Total Organic Carbon (EPA Method 9060), Nitrate + Nitrite (EPA Method 353.2)



MP50

N/A

N/A sec

sec

Monitoring Well -

MW-98-04

Sampling Information

Date (MM/DD/YY) -	02/19/20
Personnel -	Eleanor Seery
Weather -	35°F, Partly Cloudy
Sampling Device -	QED Sample Pro Bladder Pump

Well Information

N/A	ppb
N/A	ppb
N/A	_
N/A	-
	N/A N/A

Pressure -	N/A	psi
Measured Depth to Bottom -	26.5	ft BTOC
Screened Zone -	16.5-26.5	ft BGS
Depth to Pump Intake -	21.50	ft BGS
Pre-Pump (Static) Depth to Water -	18.30	ft BTOC
Post-Pump Depth to Water -	18.30	ft BTOC

Refill - ____ Discharge - ____

Pump Controller -

Water Quality Meter # -	N/A

Well Evacuation Data

Stabiliza	tion Criteria		± 0.1 SU	±3%	± 10 %	±3%	± 10 mV	± 10 %	0.3 ft	
Time	Vol.	Rate	рН	Cond.	Turb.	Temp.	ORP	DO	DTW	Appearance or
	L	mL/min	Std	ms/cm	NTU	С	mV	mg/L	ft	Comments
15:37		150	7.85	0.161	157.0	9.90	108	3.43	18.30	murky
15:42	0.7	150	5.95	0.163	109.0	10.27	130	1.70	18.30	murky
15:47	1.5	150	5.66	0.162	54.0	10.38	130	1.07	18.30	murky
15:52	2.2	150	5.61	0.161	25.0	10.40	130	0.83	18.32	clearer
15:57	3.0	150	5.62	0.160	0.0	10.40	131	0.73	18.30	clearer
16:02	3.7	150	5.64	0.160	0.0	10.44	130	0.52	18.30	clearer
16:07	4.5	150	5.60	0.160	0.0	10.47	131	0.50	18.30	clearer
16:12	5.2	150	5.67	0.159	0.0	10.45	129	0.50	18.30	clearer
16:17	SAMPLE	150	5.67	0.157	0.0	10.44	130	0.48	18.30	clearer

Notes / Sample Information

Appearance at Start -	murky
Appearance After Purging -	clearer

Total Volume Purged - 6.0 liters Purge Rate - 150-150 mL/min

Sa	mple ID - MW-98-04-20200219
Samp	ble Time - <u>16:17</u>
Additional Sample -	None
Additional Sample ID -	N/A

	11		
DTW After Purging -	18.30	ft bTOC	
DTW at Time of Sampling -	18.30	ft bTOC	

Analyses - Volatile Organic Compounds (EPA Method 8260)



Monitoring Well - MW-98-05AR

N/A sec N/A

N/A

sec

psi

Sampling Information

SAG HARBOR INDUSTRIES

Date (MM/DD/YY) -	02/19/20
Personnel -	Eleanor Seery
Weather -	35°F, Partly Cloudy
Sampling Device -	QED Sample Pro Bladder Pump

Well Information

Well Vault PID -	N/A	ppb
Well Casing PID -	N/A	ppb
PID # -	N/A	_
Water Quality Meter # -	N/A	_

Measured Depth to Bottom -	28.0	ft BTOC
Screened Zone -	18-28	ft BGS
Depth to Pump Intake -	23.00	ft BGS
Pre-Pump (Static) Depth to Water -	20.00	ft BTOC
Post-Pump Depth to Water -	20.00	ft BTOC

Pump Controller - MP50 Refill - N/A Discharge - N/A Pressure - N/A

Well Evacuation Data

Stabiliza	tion Criteria		± 0.1 SU	±3%	± 10 %	±3%	± 10 mV	± 10 %	0.3 ft	
Time	Vol.	Rate	рΗ	Cond.	Turb.	Temp.	ORP	DO	DTW	Appearance or
	L	mL/min	Std	ms/cm	NTU	С	mV	mg/L	ft	Comments
13:18		100	5.48	0.189	125.0	10.60	205	2.91	20.00	murky
13:23	0.5	100	5.93	0.167	222.0	11.10	164	1.53	20.10	murky
13:28	1.0	150	5.94	0.158	80.0	11.38	125	0.80	20.10	clear
13:33	1.7	150	6.06	0.154	43.0	11.44	41	0.70	20.10	clear
13:38	2.5	150	6.07	0.153	33.0	11.43	95	0.63	20.10	clear
13:43	3.2	150	6.10	0.152	0.0	11.40	89	0.90	20.10	clear
13:48	4.0	150	6.10	0.151	0.0	11.40	84	0.80	20.10	clear
13:53	4.7	150	6.13	0.150	0.0	11.40	84	0.85	20.10	clear
13:58	SAMPLE	150	6.14	0.151	0.0	11.38	82	0.88	20.10	clear

Notes / Sample Information

Sample ID - MW-98-05-AR-20200219 Sampla Timo 12.59

s / Sample Information		Sample Time - 13:58					
Appearance at Start -	murky		Additional Sample -		No	one	
Appearance After Purging -	clear		Additional Sample ID -		N	/A	
Total Volume Purged -	5.5	liters	DTW After	r Purging -	20.10	ft bTOC	
Purge Rate -	100-150	mL/min	DTW at Time of S	Sampling -	20.10	ft bTOC	

Analyses - Volatile Organic Compounds (EPA Method 8260), Sulfate (EPA Method 300), Ethene/Ethane/Methane (EPA Method 8015), Dissolved Iron (EPA Method 601B/200.7), Total Organic Carbon (EPA Method 9060), Nitrate + Nitrite (EPA Method 353.2)

APPENDIX E

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: 02/27/2020 Client Project ID: 1690016505 Rowe Industries York Project (SDG) No.: 20B0740

TNI BORATONI

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

CT Cert. No. PH-0723

120 RESEARCH DRIVE www.YORKLAB.com STRATFORD, CT 06615 (203) 325-1371

New Jersey Cert. No. CT005 and NY037

132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418 ClientServices@yorklab.com

Page 1 of 16

Report Date: 02/27/2020 Client Project ID: 1690016505 Rowe Industries York Project (SDG) No.: 20B0740

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 February 19, 2020 with a temperature of 1.8 C. The project was identified as your project: **1690016505 Rowe Industries**.

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.

20B0740-01 MW-98-05AR-20200219 Water 02/19/2020	
	02/19/2020
20B0740-02 MW-98-04-20200219 Water 02/19/2020	02/19/2020

General Notes for York Project (SDG) No.: 20B0740

- 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: 02/27/2020

Benjamin Gulizia Laboratory Director





Client Sample ID:	MW-98-05AR-20200219
-------------------	---------------------

Client Sample ID:	MW-98-05AR-20200219		York Sample ID:	20B0740-01
York Project (SDG) N	o. <u>Client Project ID</u>	Matrix	Collection Date/Time	Date Received
20B0740	1690016505 Rowe Industries	Water	February 19, 2020 1:58 pm	02/19/2020

	ganics, 8260 List - Low Level	<u>l</u>		<u>Log-in</u>	Notes	<u>:</u>	<u>Sam</u>	ple Note	<u>s:</u>		
CAS No.	by Method: EPA 5030B 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	CTDOUN	02/21/2020 07:30	02/21/2020 16:05	SS
71-55-6	1,1,1-Trichloroethane	3.5	ug/L	0.20	0.50	1	Certifications: EPA 8260C Certifications:		ELAC-NY10854,NEL 02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
79-00-5	1,1,2-Trichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
75-34-3	1,1-Dichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
75-35-4	1,1-Dichloroethylene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
563-58-6	1,1-Dichloropropylene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/21/2020 07:30 /10854,NELAC-NY1:	02/21/2020 16:05 2058,NJDEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/21/2020 07:30 /10854,NELAC-NY1:	02/21/2020 16:05 2058,NJDEP,PAE	SS
96-18-4	1,2,3-Trichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/21/2020 07:30 /10854,NELAC-NY1:	02/21/2020 16:05 2058,NJDEP,PAE	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30	02/21/2020 16:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/21/2020 07:30 (10854,NELAC-NY1)	02/21/2020 16:05 2058,NJDEP,PAE	SS
95-63-6	1,2,4-Trimethylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
106-93-4	1,2-Dibromoethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
95-50-1	1,2-Dichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
107-06-2	1,2-Dichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
78-87-5	1,2-Dichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
108-67-8	1,3,5-Trimethylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
541-73-1	1,3-Dichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
142-28-9	1,3-Dichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/21/2020 07:30 (10854,NELAC-NY1)	02/21/2020 16:05 2058,NJDEP,PAE	SS
120 RES	EARCH DRIVE	STRATFORD, CT 0661	5		1	32-02 89th	AVENUE		RICHMOND HI	LL, NY 11418	
www.YO	RKLAB.com	(203) 325-1371			F	FAX (203) 3	857-0166		ClientServices(Page 4	of 16



Client Sample ID: MW-98-0	5AR-20200219		York Sample ID:	20B0740-01
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0740	1690016505 Rowe Industries	Water	February 19, 2020 1:58 pm	02/19/2020

<u>Volatile Or</u>	ganics, 8260 List - Low Leve	<u>l</u>			<u>Log-in</u>	Notes:		<u>Sam</u>	ple Note	<u>s:</u>		
Sample Prepared	by Method: EPA 5030B Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	OTDOUNE	02/21/2020 07:30	02/21/2020 16:05	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	Certifications: EPA 8260C Certifications:		LAC-NY10854,NEL/ 02/21/2020 07:30 /10854,NELAC-NY12	02/21/2020 16:05	SS
78-93-3	2-Butanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05 AC-NY12058,NJ	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05 AC-NY12058,NJ	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05 AC-NY12058,NJ	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05 AC-NY12058,NJ	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05 AC-NY12058,NJ	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05 AC-NY12058,NJ	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05 AC-NY12058,NJ	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/21/2020 07:30 10854,NELAC-NY12	02/21/2020 16:05	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30 10854,NELAC-NY12	02/21/2020 16:05	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05 AC-NY12058,NJ	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	,	02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05	SS
156-59-2	cis-1,2-Dichloroethylene	1.4		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30 LAC-NY10854,NEL/	02/21/2020 16:05	SS
										,	,	

132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418

ClientServices

Page 5 of 16



Client Sample ID:	MW-98-05AR-20200219		York Sample ID:	20B0740-01
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0740	1690016505 Rowe Industries	Water	February 19, 2020 1:58 pm	02/19/2020

	rganics, 8260 List - Low Level				<u>Log-in</u>	Notes:		<u>Sam</u>	ple Note	<u>s:</u>		
Sample Prepare CAS No	d by Method: EPA 5030B Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOUN	02/21/2020 07:30	02/21/2020 16:05	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	CIDOR,N	ELAC-NY10854,NEL 02/21/2020 07:30	02/21/2020 16:05	SS
21 10 1	Diotomocnioinenane	ND		-8				Certifications:	CTDOH,N	ELAC-NY10854,NEL		55
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:05	SS
				/1	0.20	0.50		Certifications:	NELAC-N	Y10854,NELAC-NY12		
5-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/21/2020 07:30 Y10854,NELAC-NY12	02/21/2020 16:05 2058,NJDEP,PAE	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:05	SS
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:05	SS
0000	T	ND		ng/I	0.20	0.50	1	Certifications:	NELAC-N	Y10854,NELAC-NY12 02/21/2020 07:30	02/21/2020 16:05	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	ELAC-NY10854,NEL		55
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:05	SS
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	CTDOUN	02/21/2020 07:30	02/21/2020 16:05	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	Certifications: EPA 8260C	CIDOR,N	ELAC-NY10854,NEL 02/21/2020 07:30	02/21/2020 16:05	SS
1-20-5	Napitulaiene	ND		ug/L	1.0	2.0	1	Certifications:	NELAC-N	10854,NELAC-NY12		55
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:05	SS
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH N	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	CIDOII,N	02/21/2020 07:30	02/21/2020 16:05	SS
	0 Aylone	Цр		-8				Certifications:	CTDOH,N	ELAC-NY10854,NEL		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:05	SS
				-				Certifications:	CTDOH,N	ELAC-NY10854,NEL		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30	02/21/2020 16:05	SS
522-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:05	SS
	P			, in the second s				Certifications:				
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:05	SS
25.00.0		ND		/1	0.20	0.50		Certifications:	CTDOH,N	ELAC-NY10854,NEL 02/21/2020 07:30	<i>,</i>	66
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
00-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:05	SS
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUN	02/21/2020 07:30	02/21/2020 16:05	SS
127-18-4	Totrachlaroothylena	26	SCAL	ug/I	0.20	0.50	1	Certifications: EPA 8260C	CIDOH,N	ELAC-NY10854,NEL 02/21/2020 07:30	AC-NY12058,NJ 02/21/2020 16:05	SS
2/-10-4	Tetrachloroethylene	26	E SCAL	- ug/L	0.20	0.50	1	Certifications:	CTDOH N	ELAC-NY10854,NEL		33

STRATFORD, CT 06615 (203) 325-1371 132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418

ClientServices

Page 6 of 16



<u>Client Sample ID:</u> M	W-98-05AR-20200219		York Sample ID:	20B0740-01
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0740	1690016505 Rowe Industries	Water	February 19, 2020 1:58 pm	02/19/2020

	Prganics, 8260 List - Low Level				<u>Log-in</u>	Notes	<u>.</u>	<u>San</u>	nple Note	es:		
CAS No	ed by Method: EPA 5030B	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
79-01-6	Trichloroethylene	1.2		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	CTDOH,N	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:05 AC-NY12058,NJ	SS
	Surrogate Recoveries	Result		Acc	eptance Ran	ge						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.8 %			69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	96.1 %			81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	116 %			79-122							

Methane,	Ethane	&	Ethy	vlene

Sample Prepared by Method: Preparation for GC Analysis Date/Time Analyzed Date/Time Reported to LOQ Dilution CAS No. Result Flag Units **Reference Method** Parameter Prepared Analyst 02/27/2020 08:00 02/27/2020 10:32 74-82-8 * Methane 250 ug/L 10 1 GC/Headspace RB Certifications: GC/Headspace 02/27/2020 08:00 02/27/2020 10:32 74-84-0 * Ethane 10 RB ND ug/L 1 Certifications: 74-85-1 * Ethylene (Ethene) ND ug/L 10 1 GC/Headspace 02/27/2020 08:00 02/27/2020 10:32 RB Certifications:

Log-in Notes:

Iron, Disso	lved by E	CPA 200.8				Log-in Notes:		Sample Note	<u>es:</u>		
Sample Prepared	by Method: I	EPA 200.8									
CAS No.		Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	* Iron		465		ug/L	10.0	1	EPA 200.8 Certifications: CTDOH	02/25/2020 10:17	02/26/2020 13:34	BML

132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418

ClientServices

166

Sample Notes:



					Sample	e Informa	ation						
<u>Client San</u>	<u>mple ID:</u> MW-	-98-05AR-202002	219								York Sample	<u>e ID:</u> 20)B0740-0
York Proje	ect (SDG) No.		Client	Project II	<u>D</u>			M	<u>latrix</u>	Collec	ction Date/Time	<u>.</u> Dat	te Receive
20	20B0740		1690016505	Rowe Inc	dustries			W	Vater	February	19,2020 1:58	pm	02/19/202
Nitrate as						<u>Log-in</u>	Notes:		<u>San</u>	<u>iple Note</u>	<u>s:</u>		
Sample Prepare	ed by Method: EPA 300						Reported to				Date/Time	Date/Time	
CAS No	0. P	Parameter	Result	Flag	Units		ĹOQ	Dilution		e Method	Prepared	Analyzed	Analyst
4797-55-8	Nitrate as N		0.649		mg/L		0.0500	1	EPA 300.0 Certifications:	NELAC-NY	02/20/2020 18:01 Y10854,CTDOH,NJDI	02/21/2020 02:42 EP,PADEP	2 MAO
Nitrite as	N					<u>Log-in</u>	Notes:		<u>Sam</u>	<u>iple Note</u>	<u>s:</u>		
Sample Prepare	ed by Method: EPA 300												
CAS No	0. <u>P</u>	Parameter	Result	Flag	Units	H	Reported to LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4797-65-0	Nitrite as N		ND		mg/L		0.0500	1	EPA 300.0 Certifications:	NELAC-NY	02/20/2020 18:01 Y10854,CTDOH,PAD	02/21/2020 02:42 DEP	2 MAO
Sulfate as	s SO4					<u>Log-in</u>	Notes:		San	1ple Note	<u>s:</u>		
	ed by Method: EPA 300												
CAS No	0. <u>P</u>	Parameter	Result	Flag	Units	H	Reported to LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4808-79-8	Sulfate		6.84		mg/L		1.00	1	EPA 300.0 Certifications:	NELAC-NY	02/20/2020 18:01 Y10854,CTDOH,NJDI	02/21/2020 02:42 EP,PADEP	2 MAO
	<mark>ganic Carbon</mark> ed by Method: Analysis P	Preparation				<u>Log-in</u>	Notes:		<u>Sam</u>	nple Note	<u>s:</u>		
CAS No	0. P	Parameter	Result	Flag	Units	ŀ	Reported to LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Car	bon (TOC)	2.66		mg/L		1.00	1	SM 5310C Certifications:	NELAC-NY	02/25/2020 11:16 Y10854,CTDOH,NJDI	02/26/2020 09:26 EP,PADEP	5 AD
					Sample	e Informa	ation						
<u>Client San</u>	<u>mple ID:</u> MW-	-98-04-20200219									York Sample	<u>e ID:</u> 20)B0740-02
	ect (SDG) No. 20B0740		<u>Client</u> 1690016505	Project II Rowe Inc					<u>1atrix</u> Vater	-	ction Date/Time 19, 2020 4:17		te Receive 02/19/202
			1070010202	KUWUIII	<u>lusu ics</u>					FC01um _J	19,2020	рш	02/19/202
<u>Volatile O</u>	Organics, 8260 Lis	ist - Low Level				<u>Log-in</u>	Notes:		<u>San</u>	nple Note	<u>'8:</u>		
Sample Prepare	ed by Method: EPA 50301	В				D = set ad to					Dato/Time	Data/Time	
CAS No	0. P	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
530-20-6	1,1,1,2-Tetrachloroe	ethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	4 SS
71-55-6	1,1,1-Trichloroetha	ne	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	4 SS
79-34-5	1,1,2,2-Tetrachloroe	ethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	4 SS
120 RE	SEARCH DRIVE		STRATFORD, (CT 06615	;		13		h AVENUE		RICHMOND HI	ILL, NY 11418	
www.YC	ORKLAB.com	((203) 325-1371	l			FA	AX (203) 3	357-0166		ClientServices	Page 8	of 16

Page 8 of 16



Client Sample ID: MW-98-04-20200219

<u>Client Sample ID:</u> M	W-98-04-20200219		York Sample ID:	20B0740-02
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0740	1690016505 Rowe Industries	Water	February 19, 2020 4:17 pm	02/19/2020

	rganics, 8260 List - Low Level											
CAS No.	l by Method: EPA 5030B Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/21/2020 07:30 10854,NELAC-NY12	02/21/2020 16:34 2058,NJDEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/21/2020 07:30 10854,NELAC-NY12	02/21/2020 16:34 2058,NJDEP,PAE	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/21/2020 07:30 10854,NELAC-NY12	02/21/2020 16:34 2058,NJDEP,PAE	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30	02/21/2020 16:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/21/2020 07:30 10854,NELAC-NY12	02/21/2020 16:34 2058,NJDEP,PAE	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/21/2020 07:30 10854,NELAC-NY12	02/21/2020 16:34 2058,NJDEP,PAE	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30 10854,NELAC-NY12	02/21/2020 16:34	SS
78-93-3	2-Butanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS

RICHMOND HILL, NY 11418

ClientServices

Page 9 of 16



Client Sample ID:	MW-98-04-20200219		York Sample ID:	20B0740-02
York Project (SDG) No	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0740	1690016505 Rowe Industries	Water	February 19, 2020 4:17 pm	02/19/2020

Volatile Or	rganics, 8260 List - Low Leve	<u>el</u>		<u>Log-in</u>								
	l by Method: EPA 5030B				Reported to		D'l4'			Date/Time	Date/Time	
CAS No.		Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference	Method	Prepared	Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CTDOH,NE	LAC-NY10854,NEL	AC-NY12058,NJ	
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOUNT	02/21/2020 07:30	02/21/2020 16:34	SS
108-10-1	4 Mathul 2 pontanana	ND		ug/L	0.20	0.50	1	EPA 8260C	CIDOR,NE	ELAC-NY10854,NEL 02/21/2020 07:30	02/21/2020 16:34	SS
100-10-1	4-Methyl-2-pentanone	ND		ug L	0.20	0.50	1	Certifications:	CTDOH,NE	LAC-NY10854,NEL		55
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CTDOH,NE	LAC-NY10854,NEL	AC-NY12058,NJ	
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOU NE	02/21/2020 07:30	02/21/2020 16:34	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	Certifications: EPA 8260C	CIDOR,NE	LAC-NY10854,NEL 02/21/2020 07:30	02/21/2020 16:34	SS
108-80-1	Biomobelizelle	ND		ug/L	0.20	0.50	1	Certifications:	NELAC-NY	10854,NELAC-NY12		55
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	NELAC-NY	10854,NELAC-NY12	2058,NJDEP,PAE	
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	OTDOUNT	02/21/2020 07:30	02/21/2020 16:34	SS
75-25-2	Descus frame	ND		ng/I	0.20	0.50	1	Certifications: EPA 8260C	CIDOH,NE	2LAC-NY10854,NEL 02/21/2020 07:30	02/21/2020 16:34	SS
15-25-2	Bromoform	ND		ug/L	0.20	0.50	1	Certifications:	CTDOH,NE	ELAC-NY10854,NEL		55
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CTDOH,NE	LAC-NY10854,NEL	AC-NY12058,NJ	
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	OTDOUNT	02/21/2020 07:30	02/21/2020 16:34	SS
56-23-5	Carbon tatraaklarida	ND		ng/I	0.20	0.50	1	Certifications: EPA 8260C	CIDOH,NE	ELAC-NY10854,NEL 02/21/2020 07:30	02/21/2020 16:34	SS
30-23-3	Carbon tetrachloride	ND		ug/L	0.20	0.50	I	Certifications:	CTDOH,NE	CLAC-NY10854,NEL		55
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CTDOH,NE	LAC-NY10854,NEL	AC-NY12058,NJ	
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	OTDOUNT	02/21/2020 07:30	02/21/2020 16:34	SS
67-66-3		ND		110/I	0.20	0.50	1	Certifications: EPA 8260C	CIDOH,NE	ELAC-NY10854,NEL 02/21/2020 07:30	02/21/2020 16:34	SS
07-00-5	Chloroform	ND		ug/L	0.20	0.50	I	Certifications:	CTDOH,NE	CLAC-NY10854,NEL		55
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CTDOH,NE	LAC-NY10854,NEL	AC-NY12058,NJ	
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
100(1.01.5		ND		110/I	0.20	0.50	1	Certifications:	CIDOH,NE	LAC-NY10854,NEL	02/21/2020 16:34	66
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 ELAC-NY10854,NEL		SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CTDOH,NE	ELAC-NY10854,NEL	AC-NY12058,NJ	
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	NELAC-NY	10854,NELAC-NY12	2058,NJDEP,PAE	

132-02 89th AVENUE FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices

Page 10 of 16



Client Sample ID:	MW-98-04-20200219		<u>York Sample ID:</u>	20B0740-02
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0740	1690016505 Rowe Industries	Water	February 19, 2020 4:17 pm	02/19/2020

Volatile O	rganics, 8260 List - Low Level			<u>Log-in</u>	Notes:	<u>s:</u>						
Sample Prepared	l by Method: EPA 5030B 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		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	NELAC-NY	10854,NELAC-NY1		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/21/2020 07:30 LAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	NELAC-NY	10854,NELAC-NY1	2058,NJDEP,PAE	
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUNT	02/21/2020 07:30	02/21/2020 16:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	Certifications: EPA 8260C	CIDOH,NE	ELAC-NY10854,NEL 02/21/2020 07:30	02/21/2020 16:34	SS
1054-04-4	Methyl ten-butyl enter (MTBE)	ND		ug L	0.20	0.50	1	Certifications:	CTDOH,NE	LAC-NY10854,NEL		55
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CTDOH,NE	LAC-NY10854,NEL	AC-NY12058,NJ	
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	NEL AC-NY	02/21/2020 07:30 10854,NELAC-NY1	02/21/2020 16:34	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	MELINC-IVI	02/21/2020 07:30	02/21/2020 16:34	SS
	n Duty to mone	112						Certifications:	CTDOH,NE	ELAC-NY10854,NEL		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CTDOH,NE	LAC-NY10854,NEL		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH NF	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058 PA	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
	P							Certifications:	CTDOH,NE	ELAC-NY10854,NEL	AC-NY12058,PA	
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
(22) ()					0.00	0.50		Certifications:		02/21/2020 07 20	00/01/00000.14.04	
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/21/2020 07:30	02/21/2020 16:34	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CTDOH,NE	ELAC-NY10854,NEL	AC-NY12058,NJ	
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	OTROUNT	02/21/2020 07:30	02/21/2020 16:34	SS
100-42-5	<u>0</u> ,	ND		110/I	0.20	0.50	1	Certifications: EPA 8260C	CTDOH,NE	ELAC-NY10854,NEL 02/21/2020 07:30	AC-NY12058,NJ 02/21/2020 16:34	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	Certifications:	CTDOH,NE	02/21/2020 07.30		55
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CTDOH,NE	ELAC-NY10854,NEL	AC-NY12058,NJ	
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUNT	02/21/2020 07:30	02/21/2020 16:34	SS
108-88-3	Tahuana	ND		ug/L	0.20	0.50	1	Certifications: EPA 8260C	CIDOH,NE	ELAC-NY10854,NEL 02/21/2020 07:30	02/21/2020 16:34	SS
100-00-3	Toluene	IND		46/L	0.20	0.50	1	Certifications:	CTDOH,NE	CLAC-NY10854,NEL		33
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CTDOH,NE	LAC-NY10854,NEL	AC-NY12058,NJ	
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUNT	02/21/2020 07:30	02/21/2020 16:34	SS
								Certifications:	CIDOH,NE	LAC-NY10854,NEL	AC-NY 12058,NJ	

120 RESEARCH DRIVE www.YORKLAB.com

STRATFORD, CT 06615 (203) 325-1371

132-02 89th AVENUE FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices

Page 11 of 16



Client Sample ID: MW-98-04-20200219

Client Sample ID: MW	-98-04-20200219		<u>York Sample ID:</u>	20B0740-02
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0740	1690016505 Rowe Industries	Water	February 19, 2020 4:17 pm	02/19/2020

	rganics, 8260 List - Low Level				<u>Log-in</u>	Notes:		Sam	ple Note			
CAS No	d by Method: EPA 5030B Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	CTDOH,NI	02/21/2020 07:30 ELAC-NY10854,NEL	02/21/2020 16:34 AC-NY12058,NJ	SS
	Surrogate Recoveries	Result		Acc	eptance Ran	ge						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.5 %			69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	96.3 %			81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %			79-122							



Volatile Analysis Sample Containers

Lab ID

Client Sample ID

20B0740-01 20B0740-02 MW-98-05AR-20200219 MW-98-04-20200219

Volatile Sample Container

40mL Clear Vial (pre-pres.) HCl; Cool to 4° C 40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



RICHMOND HILL, NY 11418



Sample and Data Qualifiers Relating to This Work Order

- SCAL-E The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
- **OL-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.
- CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

- Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
- ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
- RL. REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- LIMIT OF QUANTITATION the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the LOO 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.
- 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 Reported to 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. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is Non-Dir. 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 Diphenvlamine.

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.

120 RESEARCH DRIVE www.YORKLAB.com

STRATFORD, CT 06615 (203) 325-1371

132-02 89th AVENUE FAX (203) 357-0166

RICHMOND HILL, NY 11418



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.

132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418

YORK Project No. 20B0740	Page / of /	Turn-Around Time	RUSH - Next Day	RUSH - Two Day RUSH - Three Day	RUSH - Four Day	Standard (5-7 Day)		YORK Reg. Comp.	Compared to the following Regulation(s): (please fill in)		Container Description	500,250 /6 HCI/3 UP	3 Hel Vials							Canadal Instruction	opecial instruction	Field Filtered Lab to Filter	Date/Time	2/11/20	Date/Time		Temp. Received at Lab	- 1. 8 Degrees C
tody Record	In the back side of this document. oceed with the analyses requested below. Terms & Conditions.	YOUR Project Number	1690016505	YOUR Project Name	1-1-1-	LOUR MUSTIES	YOUR PO#:	Report / EDD Type (circle selections)	CT RCP Standard Excel EDD CT RCP DQA/DUE EQuIS (Standard)	NJDEP Reduced NYSDEC EQuIS Deliverables NJDEP SRP HazSite NJDKQP Other/EQUIS 4	Analysis Requested	1025 (2010) S. Hart (500) 2+Hart (2010) (0) (30) 7 / 9060 / 35 3, 3	2 +	0	/ // /		NA	,	1	interest of the second of	ion: (crieck all triat apply)	HNO3H2SO4NaOHZnAc	Samples Relinquished by / Company	Rednych	Samples Received by / Company		Samples Received in LAB by Date/Time	700h 2/19/2020 1958
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.	Invoice To:	Rumball	Batess w RUNAN SE 5 & FL By W RUNAN SE 5 & FL	1-100	Murh Megue	may in Co rambolli 1200	Samples From Report /	ork X Summary Report ersey QA Report	0	Date/Time Sampled	-	£1:91	1		-11-	AA >	X	P			HCI X MeOH HN Ascorbic Acid Other.	Date/Time	J/re/L			Date/Time	
Field	NOTE: Y This document ser	Report To:	Company	SL. Str. FIC 234	Ē	Contact:	E-mail	codes	S - soil / solid New York GW - groundwater New Jersey	DW - drinking water WW - wastewater O - Oil 2 other Other	Sample Matrix Date/Ti			11	1/1								Samples Received by / Company	Which hered	1 22 1		Samples Received by / Company	
York Analytical Laboratories, Inc. 120 Research Drive 132-02 89th Ave Stratford, CT 06615 Queens, NY 11418	clientservices@yorklab.com www.yorklab.com	Repo	Company Ramboll	234 W Florder St.	Phone: 262 - 901 - 0	Contact March 142) 246	E-mail many ur @ rambell . com	st be complete. Samples k will not begin until any		ove and sign below)	De									A V Con	Up 1 pantes 10		Date/Time	11.30 2/11/20	Date/Time		Date/Time	
York Analytical L T20 Research Drive Stratford, CT 06815	YORK clientservices www.yor	YOUR Information	Company. Rum boll	Address Address user Sc. 4th Floor 315 W NY 10018	Chapter out a state of the stat	Contact Olure Elius IEllie Seery	E-mailt Celes & runk Munin / EServ Orumboll war	Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any	questions by YORK are resolved.	Samples Collected by: (print your name above and sign below) Charle Eliaco Del Blaco Del Blaco	Sample Identification	MW-98-05MC-20200219	MW-98-04-20200219							0 -1 - 1 -	comments. Lab - Hilkony for		Samples Relinquished by / Company	and the thes Wh	Sam 60 ecceived by / Company	16 of	Sarr 91 elinquished by / Company	



Technical Report

prepared for:

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

Report Date: 02/27/2020 Client Project ID: 1690016505 Rowe Industries York Project (SDG) No.: 20B0768

TNI BORATONI

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

CT Cert. No. PH-0723



STRATFORD, CT 06615 (203) 325-1371

New Jersey Cert. No. CT005 and NY037

132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418 ClientServices@yorklab.com Report Date: 02/27/2020 Client Project ID: 1690016505 Rowe Industries York Project (SDG) No.: 20B0768

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 February 20, 2020 with a temperature of 14.6 C. The project was identified as your project: **1690016505 Rowe Industries**.

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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	Date Collected	Date Received
20B0768-01	MW-45A-20200220	Water	02/20/2020	02/20/2020
20B0768-02	FRW1-20200220	Water	02/20/2020	02/20/2020
20B0768-03	DUP-20200220	Water	02/20/2020	02/20/2020
20B0768-04	TB01-20200220	Water	02/20/2020	02/20/2020
20B0768-05	MW-98-01A-20200220	Water	02/20/2020	02/20/2020

General Notes for York Project (SDG) No.: 20B0768

- 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: 02/27/2020

Benjamin Gulizia Laboratory Director





<u>Client Sample ID:</u> MW-	45A-20200220		York Sample ID:	20B0768-01
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 8:55 am	02/20/2020

	rganics, 8260 List - Low Level				<u>Log-in</u>	Notes:	<u>.</u>	<u>ple Note</u>	ble Notes:			
CAS No.	d by Method: EPA 5030B Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analys
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	orpoul	02/25/2020 19:29	02/26/2020 06:31	LLJ
								Certifications:	CIDOH,NI	ELAC-NY10854,NEL		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
	(Freon 113)							Certifications:	CIDOH,NI	ELAC-NY10854,NEL		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	orpoul	02/25/2020 19:29	02/26/2020 06:31	LLJ
				-				Certifications:	CIDOH,NI	ELAC-NY10854,NEL		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOUN	02/25/2020 19:29	02/26/2020 06:31	LLJ
				-		0.50			CTDOH,N	ELAC-NY10854,NEL		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31	LLJ
						0.50			CIDOII,N			
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC N	02/25/2020 19:29 Y10854,NELAC-NY1:	02/26/2020 06:31	LLJ
07 (1 (ND			0.20	0.50	1		NEE/IC-IV	02/25/2020 19:29	02/26/2020 06:31	
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NEL AC-N	02/25/2020 19.29 Y10854,NELAC-NY1		LLJ
96-18-4		ND		ug/L	0.20	0.50	1	EPA 8260C	NEE/IC-IV	02/25/2020 19:29	02/26/2020 06:31	LLJ
90-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	Certifications:	NELAC-N	02/25/2020 19:29 Y10854,NELAC-NY1		LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
JJ-JJ-2	1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	Certifications:		02/25/2020 19:29	02/20/2020 00:51	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
120 02 1	1,2,4-111emorobenzene	ND		ug E	0.20	0.20		Certifications:	NELAC-N	10854,NELAC-NY1		LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
	1,2,1 11111011/10012010	ND		-8			-	Certifications:	CTDOH,NI	ELAC-NY10854,NEL		
96-12-8	1.2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
	1,2 Dioromo y emorphopune	112		e				Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
106-93-4	1.2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
	,			-				Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
	,			-				Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
	· · ·							Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ
								Certifications:	CTDOH N	ELAC-NY10854,NEL	AC-NY12058 NI	

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 Page 4 of 28



Client Sample ID: MW-4	5A-20200220		York Sample ID:	20B0768-01
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 8:55 am	02/20/2020

	rganics, 8260 List - Low Leve	<u>l</u>			<u>Log-in Notes:</u>				Sample Notes:				
Sample Prepare CAS No	d by Method: EPA 5030B . Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
106 46 7				/T	0.20	0.50	,	Certifications:	NELAC-N	(10854,NELAC-NY1)			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ	
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	NELAC-N	/10854,NELAC-NY12	2058,NJDEP,PAE		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
				-				Certifications:	CTDOH,NI	ELAC-NY10854,NEL	, i i i i i i i i i i i i i i i i i i i		
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058 NJ	LLJ	
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	erbon, a	02/25/2020 19:29	02/26/2020 06:31	LLJ	
	2 Hexadone	n.b						Certifications:	CTDOH,NI	ELAC-NY10854,NEL			
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	OTROUN	02/25/2020 19:29	02/26/2020 06:31	LLJ	
(7.(1.)				/T	1.0	2.0	,	Certifications:	CIDOH,NI	ELAC-NY10854,NEL			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ	
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	,	02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	NELAC-NY	710854,NELAC-NY12	2058,NJDEP,PAE		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC N	02/25/2020 19:29 (10854,NELAC-NY12	02/26/2020 06:31	LLJ	
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	NELAC-IN	02/25/2020 19:29	02/26/2020 06:31	LLJ	
15-21-4	Bromodicinoromeniane	ND		ug/L	0.20	0.50		Certifications:	CTDOH,NI	ELAC-NY10854,NEL		LLJ	
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
				-		0.50		Certifications:	CTDOH,NI	ELAC-NY10854,NEL			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH.NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058.NJ	LLJ	
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	, -	02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUN	02/25/2020 19:29	02/26/2020 06:31	LLJ	
(7 (6)	Chlore forme			ng/T	0.20	0.50		Certifications:	CIDOH,NI	ELAC-NY10854,NEL			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ	
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
	cillotometiune						-	Certifications:	CTDOH NI	ELAC-NY10854,NEL			

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 Page 5 of 28



<u>Client Sample ID:</u> MV	V-45A-20200220		York Sample ID:	20B0768-01
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 8:55 am	02/20/2020

	rganics, 8260 List - Low Level				Log-in Notes: Sai					<u>Sample Notes:</u>			
Sample Prepared CAS No	d by Method: EPA 5030B Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ	
24-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
4-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	NELAC-N	Y10854,NELAC-NY1	2058,NJDEP,PAE		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	NELAC-N	Y10854,NELAC-NY1			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31	LLJ	
87-68-3	Havashlarshutadiana	ND		ug/L	0.20	0.50	1	EPA 8260C	erbon,n	02/25/2020 19:29	02/26/2020 06:31	LLJ	
57-08-5	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	Certifications:	NELAC-N	02/25/2020 19:29 Y10854,NELAC-NY1		LLJ	
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
				U				Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
				-				Certifications:	NELAC-N	Y10854,NELAC-NY1			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31	LLJ	
103-65-1	n Dronydhangana	ND		ug/I	0.20	0.50	1	EPA 8260C	CIDOII,IN	02/25/2020 19:29	02/26/2020 06:31	LLJ	
103-05-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	Certifications:	CTDOH,NI	ELAC-NY10854,NEL		LLJ	
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
				Ū.				Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,PA		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,PA		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29	02/26/2020 06:31	LLJ	
(22.0(.9	* 174 14 1				0.20	0.50	1	EPA 8260C		02/25/2020 10:20	02/26/2020 06:21		
522-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	Certifications:		02/25/2020 19:29	02/26/2020 06:31	LLJ	
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
	p isopropytoticile	ne		-8				Certifications:	CTDOH,NI	ELAC-NY10854,NEL			
35-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
	-							Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:31	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		

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 Page 6 of 28



Client Sample ID: N	IW-45A-20200220		York Sample ID:	20B0768-01
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 8:55 am	02/20/2020

Volatile O	platile Organics, 8260 List - Low Level nple Prepared by Method: EPA 5030B				Log-in Notes: Sample Notes:					<u>es:</u>		
Sample Prepared	•	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:31 AC-NY12058,NJ	LLJ
	Surrogate Recoveries	Result		Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	115 %			69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %			81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.4 %			79-122							

Client Sample ID: FRW1-202002	20		York Sample ID:	20B0768-02
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:28 pm	02/20/2020

	rganics, 8260 List - Low Level			<u>Log-in</u>	Notes:	<u>.</u>	<u>Sam</u>	ple Note	<u>s:</u>		
CAS No	. Parameter	Result Fla	ag 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:	CTDOH,NE	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058,NJ	LLJ
71-55-6	1,1,1-Trichloroethane	0.57	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058,NJ	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058,NJ	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058,NJ	LLJ
120 RES	SEARCH DRIVE	STRATFORD, CT 06	615		1	32-02 89th	AVENUE		RICHMOND HI	LL, NY 11418	
www.YC	DRKLAB.com	(203) 325-1371			F	AX (203) 3	57-0166		ClientServices	Page 7	of 28



Client Sample ID: FRW	1-20200220		York Sample ID:	20B0768-02
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:28 pm	02/20/2020

	rganics, 8260 List - Low Level				<u>Log-in</u>	Notes:		<u>Sam</u>	Sample Notes:				
Sample Preparec	d by Method: EPA 5030B . Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058,NJ	LLJ	
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
	, ,			-				Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
								Certifications:	NELAC-N	Y10854,NELAC-NY12	2058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
								Certifications:	NELAC-N	Y10854,NELAC-NY12			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NEL AC-N	02/25/2020 19:29 Y10854,NELAC-NY12	02/26/2020 06:58	LLJ	
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	NEENC-IV	02/25/2020 19:29	02/26/2020 06:58	LLJ	
75-75-2	1,2,4,5-Tetrametrytoenzene	ND		ug/L	0.20	0.50	1	Certifications:		02/25/2020 19:29	02/20/2020 00:38	LLJ	
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
	-,_,.			U				Certifications:	NELAC-N	Y10854,NELAC-NY12	2058,NJDEP,PAE		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
				-				Certifications:	CTDOH,NI	ELAC-NY10854,NEL			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58	LLJ	
107-06-2	1.2 Dishlarasthans	ND		ug/I	0.20	0.50	1	EPA 8260C	CTD011,14	02/25/2020 19:29	02/26/2020 06:58	LLJ	
107-00-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	Certifications:	CTDOH,NI	ELAC-NY10854,NEL		LLJ	
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
	.,			Ū.				Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
						0.50		Certifications:	NELAC-N	Y10854,NELAC-NY12			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058 NI	LLJ	
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	erbon, a	02/25/2020 19:29	02/26/2020 06:58	LLJ	
JJ4-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	Certifications:	NELAC-N	Y10854,NELAC-NY12		LLJ	
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ	
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ		

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 Page 8 of 28



Client Sample ID: FRW1-	20200220		York Sample ID:	20B0768-02
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:28 pm	02/20/2020

	rganics, 8260 List - Low Leve	<u>l</u>			<u>Log-in</u>	Notes:		<u>Sam</u>	ple Note	<u>s:</u>		
Sample Prepare CAS No	d by Method: EPA 5030B Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUN	02/25/2020 19:29	02/26/2020 06:58	LLJ
107 42 4		ND			0.20	0.50		Certifications:	CIDOH,N	ELAC-NY10854,NEL		
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058,NJ	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ
				-				Certifications:	CTDOH,N	ELAC-NY10854,NEL		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058 NI	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	erbon,	02/25/2020 19:29	02/26/2020 06:58	LLJ
	Bromotenzene	ND		-8			-	Certifications:	NELAC-N	Y10854,NELAC-NY12		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ
								Certifications:	NELAC-N	Y10854,NELAC-NY12	2058,NJDEP,PAE	
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ
				-				Certifications:	CTDOH,N	ELAC-NY10854,NEL		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58	LLJ
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	CIDOII,N	02/25/2020 19:29	02/26/2020 06:58	LLJ
/+-03-/	Bromomethane	ND		ug/L	0.20	0.50	1	Certifications:	CTDOH,N	ELAC-NY10854,NEL		LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	OTROUN	02/25/2020 19:29	02/26/2020 06:58	LLJ
75 00 0				/T	0.20	0.50	,	Certifications:	CIDOH,N	ELAC-NY10854,NEL		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058,NJ	LLJ
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	, .	02/25/2020 19:29	02/26/2020 06:58	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ
				-				Certifications:	CTDOH,N	ELAC-NY10854,NEL	<i>,</i>	
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058 NJ	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	erbon,	02/25/2020 19:29	02/26/2020 06:58	LLJ
	Dioromotionettiane	110					÷	Certifications:	CTDOH,N	ELAC-NY10854,NEL		200
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ
								Certifications:	NELAC-N	Y10854,NELAC-NY12	2058,NJDEP,PAE	
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 06:58	LLJ
								Certifications:	NELAC-N	Y10854,NELAC-NY12	2058,NJDEP,PAE	

120 RESEARCH DRIVESTRATFORD, CT 06615132-02 89th AVENUERICHMOND HILL, NY 11418www.YORKLAB.com(203) 325-1371FAX (203) 357-0166ClientServicesPage 9 of 28



Client Sample ID: FRW1-	20200220		York Sample ID:	20B0768-02
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:28 pm	02/20/2020

	Jolatile Organics, 8260 List - Low Level mple Prepared by Method: EPA 5030B			<u>Log-in</u>	Notes:		<u>Sample Notes:</u>				
CAS No.		Result F	lag Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
00-41-4	Ethyl Benzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
7-68-3	Hexachlorobutadiene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/25/2020 19:29 /10854,NELAC-NY12	02/26/2020 06:58 2058,NJDEP,PAE	LLJ
8-82-8	Isopropylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
634-04-4	Methyl tert-butyl ether (MTBE)	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
5-09-2	Methylene chloride	ND	ug/L	1.0	2.0	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
1-20-3	Naphthalene	ND	ug/L	1.0	2.0	1	EPA 8260C Certifications:	NELAC-N	02/25/2020 19:29 (10854,NELAC-NY12	02/26/2020 06:58 2058,NJDEP,PAE	LLJ
04-51-8	n-Butylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
03-65-1	n-Propylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
5-47-6	o-Xylene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,PA	LLJ
79601-23-1	p- & m- Xylenes	ND	ug/L	0.50	1.0	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,PA	LLJ
05-05-5	* p-Diethylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29	02/26/2020 06:58	LLJ
22-96-8	* p-Ethyltoluene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29	02/26/2020 06:58	LLJ
9-87-6	p-Isopropyltoluene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
35-98-8	sec-Butylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
00-42-5	Styrene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
8-06-6	tert-Butylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
27-18-4	Tetrachloroethylene	320	ug/L	2.0	5.0	10	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/27/2020 03:11 AC-NY12058,NJ	LLJ
08-88-3	Toluene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
56-60-5	trans-1,2-Dichloroethylene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
0061-02-6	trans-1,3-Dichloropropylene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
9-01-6	Trichloroethylene	1.4	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
5-69-4	Trichlorofluoromethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL/	02/26/2020 06:58 AC-NY12058,NJ	LLJ
120 000	SEARCH DRIVE	STRATFORD, CT 0	6615		1	32-02 89th	AVENUE		RICHMOND HI	II NY 11418	



www.YORKLAB.com

Vork Projec	ct (SDG) No.	Client	Project II	`			М	latrix	Colle	ction Date/Time	Date	Received
)B0768	1690016505		-				Vater		20, 2020 12:28		2/20/202
Volatile O	rganics, 8260 List - Low Level				<u>Log-in</u>	Notes:		Sam	ple Note	<u>s:</u>		
Sample Prepared	d by Method: EPA 5030B											
CAS No.	. Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058,NJ	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 06:58 AC-NY12058,NJ	LLJ
	Surrogate Recoveries	Result		Acc	eptance Ran	ge						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %			69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	99.9 %			81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			79-122							
<u>Methane,]</u>	Ethane & Ethylene				<u>Log-in</u>	Notes:		Sam	ple Note	<u>s:</u>		
Sample Prepared	d by Method: Preparation for GC Analysis					Reported to				Date/Time	Date/Time	
CAS No.	. Parameter	Result	Flag	Units		LOQ	Dilution	Reference	Method	Prepared	Analyzed	Analyst
74-82-8	* Methane	ND		ug/L		10	1	GC/Headspace Certifications:		02/27/2020 08:00	02/27/2020 10:51	RB
74-84-0	* Ethane	ND		ug/L		10	1	GC/Headspace Certifications:		02/27/2020 08:00	02/27/2020 10:51	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L		10	1	GC/Headspace Certifications:		02/27/2020 08:00	02/27/2020 10:51	RB
<u>Iron, Disse</u>	blved by EPA 200.8				<u>Log-in</u>	Notes:		Sam	ple Note	<u>s:</u>		
Sample Prepared	d by Method: EPA 200.8										D (774	
CAS No.		Result	Flag	Units		Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	* Iron	ND		ug/L		10.0	1	EPA 200.8 Certifications:	CTDOH	02/25/2020 10:17	02/26/2020 13:50	BML
Nitrate as	<u>N</u>				<u>Log-in</u>	Notes:		Sam	ple Note	<u>s:</u>		
Sample Prepared	d 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	0.166		mg/L		0.0500	1	EPA 300.0 Certifications:	NELAC-NY	02/20/2020 18:32 (10854,CTDOH,NJDI	02/20/2020 22:05 EP,PADEP	MAO
Nitrite as I	N				<u>Log-in</u>	Notes:		<u>Sam</u>	ple Note	<u>s:</u>		
Sample Prepared	d by Method: EPA 300											
CAS No.	. Parameter	Result	Flag	Units		Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4797-65-0	Nitrite as N	ND		mg/L		0.0500	1	EPA 300.0		02/20/2020 18:32	02/20/2020 22:05	MAO

FAX (203) 357-0166

ClientServices

Page 11 of 28

(203) 325-1371



	ct (SDG) No.		Project II					<u>atrix</u>	-	ction Date/Time		e Receive
20)B0768	1690016505	Rowe Inc	lustries			W	Vater	February	20, 2020 12:28	pm	02/20/202
Sulfate as	SO4 d by Method: EPA 300				<u>Log-in</u>	Notes:		<u>San</u>	nple Note	<u>:s:</u>		
CAS No	. Parameter	Result	Flag	Units		Reported to LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4808-79-8	Sulfate	12.1		mg/L		1.00	1	EPA 300.0 Certifications:	NELAC-N	02/20/2020 18:32 Y10854,CTDOH,NJDI	02/20/2020 22:05 EP,PADEP	MAO
Total Orga	anic Carbon				<u>Log-in</u>	Notes:		San	nple Note	<u>s:</u>		
ample Prepared	d by Method: Analysis Preparation					Reported to				Date/Time	Date/Time	
CAS No		Result	Flag	Units		ĹOQ	Dilution		e Method	Prepared	Analyzed	Analyst
	Total Organic Carbon (TOC)	2.17		mg/L		1.00	1	SM 5310C Certifications:	NELAC-N	02/25/2020 11:16 Y10854,CTDOH,NJDI	02/26/2020 09:26 EP,PADEP	AD
				Sample	e Inform	ation						
<u>Client San</u>	nple ID: DUP-20200220									<u>York Sample</u>	<u>e ID:</u> 20	B0768-0.
York Project	ct (SDG) No.	Client	Project II	<u>)</u>			M	atrix	Colle	ction Date/Time	Dat	e Received
20)B0768	1690016505	Rowe Inc	lustries			W	Vater	February	20, 2020 12:00	am	02/20/2020
<u>Volatile O</u>	rganics, 8260 List - Low Level				<u>Log-in</u>	Notes:		<u>San</u>	nple Note	<u>:s:</u>		
ample Prepared	d by Method: EPA 5030B	Besult	Flag	Units	Reported to		Dilution			Date/Time	Date/Time	Analyst
CAS No	d by Method: EPA 5030B	Result	Flag	Units ug/L		Notes: LOQ 0.50	Dilution		nple Note e Method		Date/Time Analyzed 02/26/2020 07:24	Analyst
ample Prepared CAS No 30-20-6	d by Method: EPA 5030B Parameter 1,1,1,2-Tetrachloroethane	ND	Flag	ug/L	Reported to LOD/MDL 0.20	LOQ 0.50		Reference EPA 8260C Certifications:	e Method	Date/Time Prepared 02/25/2020 19:29 ELAC-NY10854,NEL	Analyzed 02/26/2020 07:24 AC-NY12058,NJ	LLJ
ample Prepared CAS No 30-20-6	d by Method: EPA 5030B		Flag		Reported to LOD/MDL	LOQ		Reference EPA 8260C	e Method CTDOH,N	Date/Time Prepared 02/25/2020 19:29	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24	LLJ
ample Prepared CAS No 30-20-6 1-55-6	d by Method: EPA 5030B Parameter 1,1,1,2-Tetrachloroethane	ND	Flag	ug/L	Reported to LOD/MDL 0.20	LOQ 0.50	1	Reference EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C	e Method Ctdoh,Ni Ctdoh,Ni	Date/Time Prepared 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24	LLJ
CAS No CAS No 30-20-6 11-55-6 9-34-5	d by Method: EPA 5030B Parameter 1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	ND 0.68	Flag	ug/L ug/L	Reported to LOD/MDL 0.20 0.20	LOQ 0.50 0.50	1	Reference EPA 8260C Certifications: EPA 8260C Certifications:	e Method Ctdoh,Ni Ctdoh,Ni	Date/Time Prepared 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24	LLJ LLJ LLJ
CAS No CAS No 30-20-6 '1-55-6 9-34-5 6-13-1	d by Method: EPA 5030B Parameter 1,1,1,2-Tetrachloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND 0.68 ND ND	Flag	ug/L ug/L ug/L ug/L	Reported to LOD/MDL 0.20 0.20 0.20 0.20 0.20	LOQ 0.50 0.50 0.50 0.50	1 1 1	Reference EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications:	e Method Ctdoh,Ni Ctdoh,Ni Ctdoh,Ni	Date/Time Prepared 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ	
CAS No CAS No 30-20-6 '1-55-6 9-34-5 6-13-1	d by Method: EPA 5030B Parameter 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroe1,2,2-trifluoroethane	ND 0.68 ND	Flag	ug/L ug/L ug/L	Reported to LOD/MDL 0.20 0.20 0.20	LOQ 0.50 0.50 0.50	1 1 1	Reference EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C	e Method CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI	Date/Time Prepared 02/25/2020 19:29 ELAC-NY 10854,NEL 02/25/2020 19:29 ELAC-NY 10854,NEL 02/25/2020 19:29 ELAC-NY 10854,NEL 02/25/2020 19:29	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24	
CAS No 30-20-6 1-55-6 9-34-5 6-13-1 9-00-5	d by Method: EPA 5030B Parameter 1,1,1,2-Tetrachloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND 0.68 ND ND	Flag	ug/L ug/L ug/L ug/L	Reported to LOD/MDL 0.20 0.20 0.20 0.20 0.20	LOQ 0.50 0.50 0.50 0.50	1 1 1	Reference EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C	e Method CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI	Date/Time Prepared 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24	
ample Prepared CAS No 30-20-6 1-55-6 9-34-5 6-13-1 9-00-5 5-34-3	d by Method: EPA 5030B Parameter 1,1,1,2-Tetrachloroethane 1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 1,1,2-Trichloroethane	ND 0.68 ND ND ND	Flag	ug/L ug/L ug/L ug/L ug/L	Reported to LOD/MDL 0.20 0.20 0.20 0.20 0.20 0.20	LOQ 0.50 0.50 0.50 0.50 0.50	1 1 1 1	Reference EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications:	e Method CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI	Date/Time Prepared 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24	
ample Prepared CAS No 30-20-6 1-55-6 9-34-5 6-13-1 9-00-5 5-34-3 5-35-4	d by Method: EPA 5030B Parameter 1,1,1,2-Tetrachloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethylene	ND 0.68 ND ND ND ND ND	Flag	ug/L ug/L ug/L ug/L ug/L ug/L	Reported to LOD/MDL 0.20	LOQ 0.50 0.50 0.50 0.50 0.50 0.50 0.50	1 1 1 1 1 1	Reference EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications:	e Method CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI	Date/Time Prepared 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ	ЦЛ ЦЛ ЦЛ ЦЛ ЦЛ ЦЛ
ample Prepared CAS No 30-20-6 1-55-6 9-34-5 6-13-1 9-00-5 5-34-3 5-35-4	d by Method: EPA 5030B Parameter 1,1,1,2-Tetrachloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 1,1,2-Trichloroethane 1,1-Dichloroethane	ND 0.68 ND ND ND ND	Flag	ug/L ug/L ug/L ug/L ug/L ug/L	Reported to LOD/MDL 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20	LOQ 0.50 0.50 0.50 0.50 0.50 0.50	1 1 1 1 1	Reference EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C	e Method CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI	Date/Time Prepared 02/25/2020 19:29 ELAC-NY 10854,NEL 02/25/2020 19:29 ELAC-NY 10854,NEL 02/25/2020 19:29 ELAC-NY 10854,NEL 02/25/2020 19:29 ELAC-NY 10854,NEL 02/25/2020 19:29 ELAC-NY 10854,NEL 02/25/2020 19:29	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24	
ample Prepared CAS No 30-20-6 1-55-6 9-34-5 6-13-1 9-00-5 5-34-3 5-35-4 63-58-6	d by Method: EPA 5030B Parameter 1,1,1,2-Tetrachloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethylene	ND 0.68 ND ND ND ND ND	Flag	ug/L ug/L ug/L ug/L ug/L ug/L	Reported to LOD/MDL 0.20	LOQ 0.50 0.50 0.50 0.50 0.50 0.50 0.50	1 1 1 1 1 1	Reference EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications:	e Method CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI NELAC-NI	Date/Time Prepared 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 Y10854,NELAC-NY12 02/25/2020 19:29	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 02/26/2020 07:24 02/26/2020 07:24	
CAS No 30-20-6 1-55-6 9-34-5 6-13-1 9-00-5 5-34-3 5-35-4 63-58-6 7-61-6	d by Method: EPA 5030B Parameter 1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane	ND 0.68 ND ND ND ND ND ND	Flag	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	Reported to LOD/MDL 0.20	LOQ 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.5	1 1 1 1 1 1 1 1	Reference EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications:	e Method CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI NELAC-NI NELAC-NI	Date/Time Prepared 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL 02/25/2020 19:29 ELAC-NY10854,NEL	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 2058,NJDEP 02/26/2020 07:24 2058,NJDEP,PAL 02/26/2020 07:24	נוז נוז נוז נוז נוז נוז נוז
CAS No 30-20-6 '1-55-6 9-34-5 6-13-1 9-00-5 5-34-3 5-35-4 63-58-6 7-61-6 6-18-4	d by Method: EPA 5030B parameter 1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichlorobenzene	ND 0.68 ND ND ND ND ND ND ND		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	Reported to LOD/MDL 0.20	LOQ 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.5	1 1 1 1 1 1 1 1 1 1	Reference Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications: EPA 8260C Certifications:	e Method CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI CTDOH,NI NELAC-NI NELAC-NI	Date/Time Prepared 02/25/2020 19:29 ELAC-NY10854,NEL. 02/25/2020 19:29 Y10854,NELAC-NY11 02/25/2020 19:29	Analyzed 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 AC-NY12058,NJ 02/26/2020 07:24 2058,NJDEP 02/26/2020 07:24 2058,NJDEP,PAE 02/26/2020 07:24 2058,NJDEP,PAE	ш ш ш ш ш ц ц ц ц ц ц ц ц ц ц

Page 12 of 28



Client Sample ID: DUP-20200220			York Sample ID:	20B0768-03
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:00 am	02/20/2020

<u>Volatile</u> (tile Organics, 8260 List - Low Level				Log-in Notes:				Sample Notes:			
Sample Prepar	red by Method: EPA 5030B											
CAS N	No. Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29	02/26/2020 07:24	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/25/2020 19:29 10854,NELAC-NY12	02/26/2020 07:24 2058,NJDEP,PAE	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24 AC-NY12058,NJ	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24 AC-NY12058,NJ	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NE	02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24 AC-NY12058,NJ	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 10854,NELAC-NY12	02/26/2020 07:24	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 10854,NELAC-NY12	02/26/2020 07:24	LLJ
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 LAC-NY10854,NEL/	02/26/2020 07:24	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 10854,NELAC-NY12	02/26/2020 07:24	LLJ



Client Sample ID: DUP-20200220			York Sample ID:	20B0768-03
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:00 am	02/20/2020

	rganics, 8260 List - Low Level				<u>Log-in Notes:</u> <u>Sar</u>					<u>es:</u>					
Sample Prepareo	d by Method: EPA 5030B 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	NITY	02/25/2020 19:29	02/26/2020 07:24	LLJ			
				-				Certifications:	NELAC-N	Y10854,NELAC-NY12	· · ·				
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:24	LLJ			
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ				
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:24	LLJ			
				-				Certifications:	CTDOH,N	ELAC-NY10854,NEL	<i>,</i>				
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058 NI	LLJ			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	erbon,	02/25/2020 19:29	02/26/2020 07:24	LLJ			
	Carbon tenaemonde	ND		-8			-	Certifications:	CTDOH,N	ELAC-NY10854,NEL					
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:24	LLJ			
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ				
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:24	LLJ			
								Certifications:	CTDOH,N	ELAC-NY10854,NEL					
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUN	02/25/2020 19:29	02/26/2020 07:24	LLJ			
74 97 2	Chlementer	ND		ug/I	0.20	0.50	1	Certifications:	CIDOH,N	ELAC-NY10854,NEL 02/25/2020 19:29	02/26/2020 07:24				
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19.29 ELAC-NY10854,NEL		LLJ			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	, -	02/25/2020 19:29	02/26/2020 07:24	LLJ			
		112		U				Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ				
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:24	LLJ			
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ				
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:24	LLJ			
								Certifications:	CTDOH,N	ELAC-NY10854,NEL					
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC N	02/25/2020 19:29 Y10854,NELAC-NY12	02/26/2020 07:24	LLJ			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	NELAC-N	02/25/2020 19:29	02/26/2020 07:24	LLJ			
/5-/1-0	Diemotodinuoromethane	ND		ug/L	0.20	0.50	1	Certifications:	NELAC-N	V10854,NELAC-NY12		LLJ			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:24	LLJ			
	2							Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ				
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:24	LLJ			
								Certifications:	NELAC-N	Y10854,NELAC-NY12	2058,NJDEP,PAE				
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:24	LLJ			
				-				Certifications:	CTDOH,N	ELAC-NY10854,NEL					
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058 NI	LLJ			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	21201,0	02/25/2020 19:29	02/26/2020 07:24	LLJ			
0.072		nD		"B L		2.0		Certifications:	CTDOH,N	ELAC-NY10854,NEL		LLJ			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:24	LLJ			
	•							Certifications:	NELAC-N	Y10854,NELAC-NY12	2058,NJDEP,PAE				

 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
 Page 14 of 28



Client Sample ID: DUP-2	0200220		York Sample ID:	20B0768-03
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:00 am	02/20/2020

	Organics, 8260 List - Low Level				Log-in Notes: <u>Sample Notes:</u>							
Sample Prepare CAS No	ed by Method: EPA 5030B o. Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,PA	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,PA	LLJ
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29	02/26/2020 07:24	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29	02/26/2020 07:24	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
127-18-4	Tetrachloroethylene	320		ug/L	2.0	5.0	10	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/27/2020 03:38 AC-NY12058,NJ	LLJ
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
79-01-6	Trichloroethylene	1.4		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:24 AC-NY12058,NJ	LLJ
	Surrogate Recoveries	Result		Acc	eptance Ran	ge						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	115 %			69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	97.1 %			81-117							
160.00.1	G GLIDD											

79-122

460-00-4 Surrogate: SURR: p-Bromofluorobenzene

> 120 RESEARCH DRIVE www.YORKLAB.com

STRATFORD, CT 06615 (203) 325-1371

98.0 %

132-02 89th AVENUE FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices

Page 15 of 28



Client Sample ID: DUP-20200220			York Sample ID:	20B0768-03
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:00 am	02/20/2020

<u>Methane,</u>	Ethane & Ethylene				Log-in Notes:		<u>Sample Note</u>	<u>s:</u>		
Sample Prepare	ed by Method: Preparation for GC Analysis D. 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:	02/27/2020 08:00	02/27/2020 10:57	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	02/27/2020 08:00	02/27/2020 10:57	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	02/27/2020 08:00	02/27/2020 10:57	RB
<u>Iron, Diss</u>	olved by EPA 200.8				<u>Log-in Notes:</u>		Sample Note	<u>s:</u>		

Sample Prepared by Method: EPA 200.8 Reported to LOQ Date/Time Prepared Date/Time Analyzed CAS No. Parameter Result Flag Units Dilution **Reference Method** Analyst 7439-89-6 ND ug/L 10.0 EPA 200.8 02/25/2020 10:17 02/26/2020 13:55 BML * Iron 1 Certifications: CTDOH

<u>Nitrate as N</u>	rate as N			<u>Log-in Notes:</u>		Sample Note	es:			
Sample Prepared by Method	l: 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 a	as N	0.179		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-N	02/20/2020 18:32 Y10854,CTDOH,NJD	02/20/2020 23:13 EP,PADEP	MAO
<u>Nitrite as N</u>					Log-in Notes:		Sample Note	es:		
Sample Prepared by Method	1: 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	s N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-N	02/20/2020 18:32 Y10854,CTDOH,PAD	02/20/2020 23:13 EP	MAO
<u>Sulfate as SO4</u>					Log-in Notes:		Sample Note	es:		
Sample Prepared by Method	I: 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		11.8		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-N	02/20/2020 18:32 Y10854,CTDOH,NJD	02/20/2020 23:13 EP,PADEP	MAO
Total Organic Car	bon				<u>Log-in Notes:</u>		Sample Note	es:		
Sample Prepared by Method	l: Analysis Preparation									
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Or	rganic Carbon (TOC)	2.34		mg/L	1.00	1	SM 5310C Certifications: NELAC-N	02/25/2020 11:16 Y10854,CTDOH,NJD	02/26/2020 09:26 EP,PADEP	AD
120 RESEARCH I	DRIVE	STRATFORD, 0	CT 06615		1 3	132-02 89th AVENUE RICHMOND HILL, NY 1141			ILL, NY 11418	
www.YORKLAB.com		(203) 325-1371			FA	AX (203) 3	57-0166	ClientServices	Page 16	of 28

Page 16 of 28



Client Sample ID: TB01-202	00220		York Sample ID:	20B0768-04
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:00 am	02/20/2020

	rganics, 8260 List - Low Level I by Method: EPA 5030B	<u>l</u>		<u>Log-in</u>	Notes:	<u>.</u>	<u>Sam</u>	<u>ple Note</u>	<u>s:</u>		
CAS No.	Parameter	Result Fl	ag Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
530-20-6	1,1,1,2-Tetrachloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
71-55-6	1,1,1-Trichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
79-00-5	1,1,2-Trichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
75-34-3	1,1-Dichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
75-35-4	1,1-Dichloroethylene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
563-58-6	1,1-Dichloropropylene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/25/2020 19:29 Y10854,NELAC-NY1	02/26/2020 02:56 2058,NJDEP	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/25/2020 19:29 Y10854,NELAC-NY1:	02/26/2020 02:56 2058,NJDEP,PAE	LLJ
96-18-4	1,2,3-Trichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/25/2020 19:29 Y10854,NELAC-NY1:	02/26/2020 02:56 2058,NJDEP,PAE	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29	02/26/2020 02:56	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/25/2020 19:29 Y10854,NELAC-NY1:	02/26/2020 02:56 2058,NJDEP,PAE	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
106-93-4	1,2-Dibromoethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
95-50-1	1,2-Dichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
107-06-2	1,2-Dichloroethane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
78-87-5	1,2-Dichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
541-73-1	1,3-Dichlorobenzene	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
142-28-9	1,3-Dichloropropane	ND	ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/25/2020 19:29 Y10854,NELAC-NY1:	02/26/2020 02:56 2058,NJDEP,PAE	LLJ
120 RES	EARCH DRIVE	STRATFORD, CT 06	615		1	32-02 89th	AVENUE		RICHMOND HI	LL, NY 11418	
www.YO	RKLAB.com	(203) 325-1371			F	AX (203) 3	57-0166		ClientServices	Page 17	of 28



Client Sample ID: TB01-20200	220		York Sample ID:	20B0768-04
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:00 am	02/20/2020

	rganics, 8260 List - Low Level				Log-in Notes: <u>Sample Notes:</u>							
Sample Prepared CAS No	d by Method: EPA 5030B . Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUN	02/25/2020 19:29	02/26/2020 02:56	LLJ
				<i>(</i> -		0.50		Certifications:	CIDOH,N	ELAC-NY10854,NEL		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/25/2020 19:29 Y10854,NELAC-NY1:	02/26/2020 02:56 2058,NJDEP,PAE	LLJ
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 02:56	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 02:56	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUN	02/25/2020 19:29	02/26/2020 02:56	LLJ
106-43-4	4 Chlorestelsen	ND		ug/I	0.20	0.50	1	Certifications: EPA 8260C	CIDOR,N	ELAC-NY10854,NEL 02/25/2020 19:29	02/26/2020 02:56	LLJ
100-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	Certifications:	CTDOH,N	ELAC-NY10854,NEL		LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 02:56	LLJ
	in j provident			-				Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C		02/25/2020 19:29	02/26/2020 02:56	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 02:56	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL		
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NEL AC-N	02/25/2020 19:29 Y10854,NELAC-NY1:	02/26/2020 02:56	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	NELAC-N	02/25/2020 19:29	02/26/2020 02:56	LLJ
14-91-5	Bromocmoromethane	ND		ug/L	0.20	0.50		Certifications:	NELAC-N	Y10854,NELAC-NY1		LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 02:56	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 02:56	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 02:56	LLJ
75.15.0		ND		/ T	0.20	0.50	,	Certifications:	CTDOH,N	ELAC-NY10854,NEL		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH.N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058.NJ	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	, -	02/25/2020 19:29	02/26/2020 02:56	LLJ
	Curbon teducinonide	nb						Certifications:	CTDOH,N	ELAC-NY10854,NEL		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 02:56	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 02:56	LLJ
								Certifications:	CTDOH,N	ELAC-NY10854,NEL		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	СТРОН М	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56	LLJ
74-87-3	Chloromothana	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOR,N	02/25/2020 19:29	02/26/2020 02:56	LLJ
1-101-3	Chloromethane	ND		ug/L	0.20	0.50	1	Certifications:	CTDOH,N	02/23/2020 19.29 ELAC-NY10854,NEL		LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 02:56	LLJ
				5				Certifications:	CTDOH,N	ELAC-NY10854,NEL	AC-NY12058,NJ	

 120 RESEARCH DRIVE
 STRATFORD, CT 06615
 Image: 132-02 89th AVENUE
 RICHMOND HILL, NY 11418

 www.YORKLAB.com
 (203) 325-1371
 FAX (203) 357-0166
 ClientServices

 Page 18 of 28



Client Sample ID: TB01-2	0200220		York Sample ID:	20B0768-04
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:00 am	02/20/2020

	rganics, 8260 List - Low Level				<u>Log-in</u>	Notes:		Sam	ple Note	<u>s:</u>		
Sample Prepare CAS No	d by Method: EPA 5030B Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOUN	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	,	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/25/2020 19:29 Y10854,NELAC-NY12	02/26/2020 02:56 2058,NJDEP,PAE	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/25/2020 19:29 Y10854,NELAC-NY12	02/26/2020 02:56 2058,NJDEP,PAE	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
37-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/25/2020 19:29 Y10854,NELAC-NY12	02/26/2020 02:56 2058,NJDEP,PAE	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	NELAC-N	02/25/2020 19:29 Y10854,NELAC-NY12	02/26/2020 02:56 2058,NJDEP,PAE	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,PA	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,PA	LLJ
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29	02/26/2020 02:56	LLJ
522-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29	02/26/2020 02:56	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,N	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ

 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
 Page 19 of 28



<u>Client Sample ID:</u> TB01-202002	20		York Sample ID:	20B0768-04
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 12:00 am	02/20/2020

<u>Volatile O</u>	Organics, 8260 List - Low Level				<u>Log-in</u>	Notes	<u>:</u>	Sample]	Notes:		
Sample Prepare	ed by Method: EPA 5030B										
CAS No	o. Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Met	Date/Time hod Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTD	02/25/2020 19:29 OOH,NELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTD	02/25/2020 19:29 OOH,NELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTD	02/25/2020 19:29 OOH,NELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTD	02/25/2020 19:29 OOH,NELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTD	02/25/2020 19:29 OOH,NELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTD	02/25/2020 19:29 OOH,NELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTD	02/25/2020 19:29 OOH,NELAC-NY10854,NEL	02/26/2020 02:56 AC-NY12058,NJ	LLJ
	Surrogate Recoveries	Result		Acc	eptance Ran	ige					
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.7 %			79-122						

	Sample Information			
<u>Client Sample ID:</u> MW	V-98-01A-20200220		York Sample ID:	20B0768-05
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 10:02 am	02/20/2020

CAS No.	d by Method: EPA 5030B Parameter	D14		I.I.e.ite	Reported to LOD/MDL	LOO	Dilution	Reference	Madhad	Date/Time	Date/Time	
CAS NO.	. Parameter	Result	Flag	Units	LOD/MDL	LUQ	Dilution	Reference	Method	Prepared	Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NH	ELAC-NY10854,NELA	AC-NY12058,NJ	
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NH	ELAC-NY10854,NELA	AC-NY12058,NJ	
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
	, , , ,			-				Certifications:	CTDOH,NE	ELAC-NY10854,NELA	AC-NY12058,NJ	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
	(Freon 113)							Certifications:	CTDOH,NE	ELAC-NY10854,NELA	AC-NY12058,NJ	
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
	-,-,			-				Certifications:	CTDOH,NI	ELAC-NY10854,NELA	AC-NY12058,NJ	
120 RES	SEARCH DRIVE	STRATFORD, CT	06615			1	32-02 89th	AVENUE		RICHMOND HI	L, NY 11418	
www.YO	ORKLAB.com	(203) 325-1371				E	AX (203) 3	57-0166		ClientServices	Page 20	of 28



Client Sample ID:	MW-98-01A-20200220		York Sample ID:	20B0768-05
York Project (SDG) No	<u>Client Project ID</u>	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 10:02 am	02/20/2020

	rganics, 8260 List - Low Level	<u>l</u>			<u>Log-in</u>	Notes:	-	<u>Samı</u>	ole Note	<u>s:</u>		
Sample Prepared	d by Method: EPA 5030B Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOWN	02/25/2020 19:29	02/26/2020 07:51	LLJ
75 25 4	110.11 4.1	ND			0.20	0.50	1	Certifications:	CIDOH,NI	ELAC-NY10854,NEL		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	I	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51 AC-NY12058,NJ	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	NELAC-N	Y10854,NELAC-NY12	2058,NJDEP	
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	NELAC-N	Y10854,NELAC-NY12		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC N	02/25/2020 19:29 Y10854,NELAC-NY12	02/26/2020 07:51	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	NELAC-IN	02/25/2020 19:29	02/26/2020 07:51	LLJ
/5-/5-2	1,2,4,5-Tetramethyldenzene	ND		ug/L	0.20	0.50		Certifications:		02/25/2020 19:29	02/20/2020 07:51	ELJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	NELAC-N	Y10854,NELAC-NY12	2058,NJDEP,PAE	
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUN	02/25/2020 19:29	02/26/2020 07:51	LLJ
106 02 4		ND			0.20	0.50	1	Certifications:	CIDOH,NI	ELAC-NY10854,NEL 02/25/2020 19:29		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19.29 ELAC-NY10854,NEL	02/26/2020 07:51 AC-NY12058,NJ	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
	-,							Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
				-				Certifications:	CTDOH,NI	ELAC-NY10854,NEL		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	erbon,n	02/25/2020 19:29	02/26/2020 07:51	LLJ
511 /5 1	1,5-Diemorobenzene	ND		-8			-	Certifications:	CTDOH,NI	ELAC-NY10854,NEL		220
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	NELAC-N	Y10854,NELAC-NY12	2058,NJDEP,PAE	
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC NY	02/25/2020 19:29	02/26/2020 07:51	LLJ
78-93-3	2 Putanona	ND		110/I	0.20	0.50	1	EPA 8260C	NELAC-IN	Y10854,NELAC-NY12 02/25/2020 19:29	02/26/2020 07:51	LLJ
10-73-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/23/2020 19.29 ELAC-NY10854,NEL		LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
				-				Certifications:	CTDOH,NI	ELAC-NY10854,NEL		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	

120 RESEARCH DRIVE RICHMOND HILL, NY 11418 STRATFORD, CT 06615 132-02 89th AVENUE (203) 325-1371 FAX (203) 357-0166 www.YORKLAB.com ClientServices Page 21 of 28



Client Sample ID: M	W-98-01A-20200220		York Sample ID:	20B0768-05
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 10:02 am	02/20/2020

	rganics, 8260 List - Low Leve	<u>el</u>			<u>Log-in</u>	Notes:	-	<u>Sam</u>	ple Note	<u>s:</u>		
Sample Prepare CAS No	d by Method: EPA 5030B Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51 AC-NY12058,NJ	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	,	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51	LLJ
57-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51 AC-NY12058,NJ	LLJ
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51 AC-NY12058,NJ	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-N	02/25/2020 19:29 (10854,NELAC-NY1)	02/26/2020 07:51 2058,NJDEP,PAE	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	NELAC-NY	02/25/2020 19:29 /10854,NELAC-NY12	02/26/2020 07:51 2058,NJDEP,PAE	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51 AC-NY12058,NJ	LLJ
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51	LLJ
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51	LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51	LLJ
08-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51	LLJ
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:		02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51	LLJ
57-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	Certifications: EPA 8260C		ELAC-NY10854,NEL 02/25/2020 19:29	02/26/2020 07:51	LLJ
56-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	Certifications: EPA 8260C Certifications:		ELAC-NY10854,NEL 02/25/2020 19:29	02/26/2020 07:51	LLJ
0061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C		ELAC-NY10854,NEL 02/25/2020 19:29	02/26/2020 07:51	LLJ
24-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	Certifications: EPA 8260C		ELAC-NY10854,NEL 02/25/2020 19:29	02/26/2020 07:51	LLJ
4-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	Certifications: EPA 8260C		ELAC-NY10854,NEL 02/25/2020 19:29	02/26/2020 07:51	LLJ
5-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	Certifications: EPA 8260C		(10854,NELAC-NY1) 02/25/2020 19:29	02/26/2020 07:51	LLJ
00-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	Certifications: EPA 8260C	NELAC-NY	710854,NELAC-NY12 02/25/2020 19:29	2058,NJDEP,PAE 02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	

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 Page 22 of 28



Client Sample ID: M	W-98-01A-20200220		York Sample ID:	20B0768-05
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0768	1690016505 Rowe Industries	Water	February 20, 2020 10:02 am	02/20/2020

	rganics, 8260 List - Low Level				<u>Log-in</u>	Notes:	<u>.</u>	<u>Sam</u>	ple Note	<u>s:</u>		
Sample Prepare CAS No	d by Method: EPA 5030B Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
				<i>(</i> -		0.50		Certifications:	NELAC-N	Y10854,NELAC-NY1		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH,NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51 AC-NY12058,NJ	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
	··· , ··· , ··· , ··· , · · · , ()			Ū.				Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	NELAC-N	Y10854,NELAC-NY1		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUN	02/25/2020 19:29	02/26/2020 07:51	LLJ
				<i>(</i> -		0.50		Certifications:	CIDOH,NI	ELAC-NY10854,NEL		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51	LLJ
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	erboli,iu	02/25/2020 19:29	02/26/2020 07:51	LLJ
95-47-0	0-Xylene	ND		ug/L	0.20	0.50	1	Certifications:	CTDOH,NI	ELAC-NY10854,NEL		LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
	p a in Ayones	nib						Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,PA	
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:				
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:				
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	CTDOUN	02/25/2020 19:29	02/26/2020 07:51	LLJ
100.40.5				1	0.20	0.50		Certifications:	CIDOH,NI	ELAC-NY10854,NEL		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51 AC-NY12058 NI	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	erbon,	02/25/2020 19:29	02/26/2020 07:51	LLJ
	tert-Butyloenzene	ND		ug E	0.20	0.20	•	Certifications:	CTDOH,NI	ELAC-NY10854,NEL		
127-18-4	Tetrachloroethylene	4.1		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL	AC-NY12058,NJ	
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
								Certifications:	CTDOH,NI	ELAC-NY10854,NEL		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH NI	02/25/2020 19:29	02/26/2020 07:51	LLJ
70.01.6	T 11 4 1	ND		/T	0.20	0.50	,		CIDOH,NI	ELAC-NY10854,NEL		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	CTDOH.NI	02/25/2020 19:29 ELAC-NY10854,NEL	02/26/2020 07:51 AC-NY12058,NJ	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C		02/25/2020 19:29	02/26/2020 07:51	LLJ
7.5·07-7	memoronuoromethane			ug/ L	0.20	0.50	1	Certifications:	CTDOH.NI	ELAC-NY10854,NEL		LLJ

STRATFORD, CT 06615

132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418 ClientServices

Page 23 of 28



York Project	ct (SDG) No.	Client	Project II	<u>)</u>			M	atrix <u>Coll</u>	ection Date/Time	Date	Receive
20	0B0768	1690016505	Rowe Inc	lustries			W	Vater Februar	y 20, 2020 10:02	am 0	2/20/202
<u>Volatile O</u>	rganics, 8260 List - Low Leve	<u>4</u>			<u>Log-in</u>	Notes:		Sample Not	es:		
Sample Prepared	d by Method: EPA 5030B										
CAS No	. Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,1	02/25/2020 19:29 NELAC-NY10854,NEL	02/26/2020 07:51 AC-NY12058,NJ	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,I	02/25/2020 19:29 NELAC-NY10854,NEL	02/26/2020 07:51 AC-NY12058,NJ	LLJ
	Surrogate Recoveries	Result		Acc	eptance Ran	ge					
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.6 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.6 %			79-122						
Methane, I	Ethane & Ethylene				<u>Log-in</u>	Notes:		Sample Not	<u>es:</u>		
Sample Prepared	d 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	250		ug/L		10	1	GC/Headspace Certifications:	02/27/2020 08:00	02/27/2020 11:06	RB
74-84-0	* Ethane	ND		ug/L		10	1	GC/Headspace Certifications:	02/27/2020 08:00	02/27/2020 11:06	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L		10	1	GC/Headspace Certifications:	02/27/2020 08:00	02/27/2020 11:06	RB
Iron, Disso	olved by EPA 200.8				<u>Log-in</u>	Notes:		Sample Not	<u>es:</u>		
Sample Prepared	d by Method: EPA 200.8										
CAS No	. Parameter	Result	Flag	Units		Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	* Iron	232		ug/L		10.0	1	EPA 200.8 Certifications: CTDOH	02/25/2020 10:17	02/26/2020 14:01	BML
<u>Nitrate as</u>	<u>N</u>				<u>Log-in</u>	Notes:		Sample Not	<u>es:</u>		
Sample Prepared	d by Method: EPA 300					Reported to			Date/Time	Data/Tima	
CAS No	. Parameter	Result	Flag	Units		ĹOQ	Dilution	Reference Method	Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	1.17		mg/L		0.0500	1	EPA 300.0 Certifications: NELAC-1	02/20/2020 18:32 NY10854,CTDOH,NJD	02/20/2020 23:36 EP,PADEP	MAO
Nitrite as l	N				<u>Log-in</u>	Notes:		Sample Not	es:		
Sample Prepared	d by Method: EPA 300					n			D / 177	D (1771	
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-1	02/20/2020 18:32 NY10854,CTDOH,PAD	02/20/2020 23:36	MAO

120 RESEARCH DRIVE www.YORKLAB.com

STRATFORD, CT 06615 (203) 325-1371

132-02 89th AVENUE FAX (203) 357-0166

RICHMOND HILL, NY 11418 ClientServices

Page 24 of 28



<u>Client Sample ID:</u>	MW-98-01A-2020022	0						<u>York Sampl</u>	<u>e ID:</u> 201	B0768-05
<u>York Project (SDG)</u> 20B0768	<u>No.</u>	<u>Client</u> 1690016505	Project II Rowe Ind	_				llection Date/Time		Received
Sulfate as SO4					Log-in Notes:		Sample No	otes:		
Sample Prepared by Method CAS No.	i: EPA 300 Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Metho	Date/Time d Prepared	Date/Time Analyzed	Analyst
14808-79-8 Sulfate		8.89		mg/L	1.00	1	EPA 300.0 Certifications: NELAC	02/20/2020 18:32 C-NY10854,CTDOH,NJD	02/20/2020 23:36 EP,PADEP	MAO
Total Organic Car Sample Prepared by Method					<u>Log-in Notes:</u>		<u>Sample No</u>	otes:		
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Metho	Date/Time d Prepared	Date/Time Analyzed	Analyst
Total Or	rganic Carbon (TOC)	2.16		mg/L	1.00	1	SM 5310C Certifications: NELAC	02/25/2020 11:16 C-NY10854,CTDOH,NJD	02/26/2020 09:26 EP,PADEP	AD

132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418

ClientServices

Page 25 of 28



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20B0768-01	MW-45A-20200220	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0768-02	FRW1-20200220	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0768-03	DUP-20200220	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0768-04	TB01-20200220	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0768-05	MW-98-01A-20200220	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference QL-02 method has certain limitations with respect to analytes of this nature. **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. LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the LOO 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. METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a MDL 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. 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 Reported to 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 flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take High Bias 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.

132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418

Projec	2030768	Page 1 of 1	Turn-Around Time	RUSH - Next Day	RUSH - Two Day	RUSH - Three Day	RUSH - Four Day	Standard (5-7 Day)		YORK Reg. Comp.	EDD Compared to the following Regulation(s): (please fill in)	<u> </u>	S	azSite 5 4	Descrip	Partition is supported to the Co	50,455 / 3 Up / 6 HU	*	~	Swip. / Viula / Viula	N N N	A I	\mathbb{R}	Special Instruction	Field Filtered	1	3/20/20	Date/Time	<u>~</u>	Date/Time Temp. Received at Lab
	stoay kecora	on the back side of this document. proceed with the analyses requested below. d Terms & Conditions.	YOUR Project Number	14001650		YOUR Project Name	Rawe Indistric	ŋ	YOUR PO#:	Report / EDD Type (circle selections)	CT RCP Standard Excel EDD	CT RCP DQA/DUE EQuIS (Standard)	NJDEP Reduced NYSDEC EQUIS	Deliverables NJDEP SRP HazSite NJDKQP Other: EQUIS 4	Analysis Requested		320/8015/601081200: 7/9060/353.2	→		601081200.7- 9000 353.2				Preservation: (check all that apply)	HN03 H2SO4 NaOH ZnAc		il i	Samples Received by / Company	Jre	Samples Received in LAB by Date/
	I Chain-or-Custody Record	NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. Sument serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.	Invoice To:	company Rem (21)	4 U FANDER St. 54 FIN	war	Phone: 262 901 0127	at MANK INESAC		Samples From Report	Summary Re	New Jersey	Connecticut NY ASP A Package	Pennsylvania NY ASP B Package Other	Date/Time Sampled	2110/20 355 VUC, (82W)	82601		VUC 5 (8260)	2121 10 0 2 8 260 300 / 8015					HCIX MEOH		ACCT 2 2020 West	Dat	A 31.34/20	Date/Time
	Field	NO ¹ This docume	Report To:		56 5th FL 334	JZ 53204		MGJAC Contact	rambullicen E-mail	s		GW - groundwater Ne	DW - drinking water Co	WW - wastewater Pe	Sample Matrix Da		n	1/2	<i>M</i> ,	G-W 21				10 FU TER		_	Samples Rycieved by / Company	Samples Relinquished by / Company	and truth /	Samples Received by / Company
Lab	132-02 89th Ave Queens, NY 11418	clientservices@yorklab.com www.yorklab.com		Company: Ramboll	Address: W Florida	Milwarker 4	Phone: 263 901	¥	·· E-mail: MMCJGE & rombullieder	rust be complete. Samples ock will not begin until any	1		above and sign below)	chas	5									$1.m_{\rm M} = 1.4B$			alvizo dv 10120	Date/Time /	0/00/10 00/1	Date/Time THCF 01
York Analytical	120 Research Drive Stratford, CT 06615	YORK dientservice	Information	company: Ran boll	Address: 315 W 36th 5t 4th FL	S Z	Phone: 646 940 94 72	Contact: Clarke Edias Ellie Seery	(DA we are him pour and a medius.	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	uestions by YORK are resolved.		ollected by: (print your	tille serge clare	Sample Identification	MW-454-2020020		DUP-20200220	784-2020020	MW-98-01A-20200200				Comments: E. D. W. (Jul)			Provides Relinquished by / Company Mool (14)	S CD s Received by / Company /	e 28 o	S b steinquished by Company