

Periodic Review Report

For:

April 23, 2024 – April 23, 2025 Reporting Period

10 Commerce Drive Rail Yard

New Rochelle, Westchester County, NY

NYSDEC Site #C360192

Prepared for:

BRP 10 Commerce LLC

SESI Project No:

12379

Date:

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LIST OF ACRONYMS

Acronym	Definition
AWQS	Ambient Water Quality Standards
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	Below ground surface
COC	Certificate of Completion
DER	Division of Environmental Remediation
DER-10	NYSDEC Technical Guidance for Site Investigation & Remediation
ECs	Engineering Controls
EE	Environmental Easement
ICs	Institutional Controls
IRM	Interim Remedial Measures
IRMWP	Interim Remedial Measures Work Plan
MW	Monitoring Well
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyls
PFAS	Per and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
PRR	Periodic Review Report
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
SESI	SESI Consulting Engineers, PC
SISR	Soil Investigation Summary Report
SMP	Site Management Plan
SOE	Support of Excavation

Acronym	Definition
SVOCs	Semi-Volatile Organic Compounds
TAL	Target Analyte List
TCL	Target Compound List
USCO	Unrestricted Use Soil Cleanup Objectives
TOGS	Technical and Operations Guidance Series
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

1.1 SUMMARY

SESI Consulting Engineers DPC (SESI) prepared this Periodic Review Report (PRR) for the period April 23, 2024, to April 23, 2025, for the 10 Commerce Drive Rail Yard New York State Brownfield Cleanup Program (BCP), Site No. C360192 located in New Rochelle, New York (hereinafter referred to as the "Site"). SESI prepared this PRR on behalf of one (1) entity as of the September 2021 BCA: BRP 10 Commerce LLC. The entity will hereinafter be referred to as the "Volunteer," who entered into a Brownfield Cleanup Agreement (BCA) as the Volunteer with the New York State Department of Environmental Conservation (NYSDEC) to remediate the Site.

The Site was previously developed with numerous residential dwellings in the 1800s and included a rail line spur and warehouse storage facilities related to the rail lines. In 1896, the northern and western portions of the Site were occupied by the NYNH&H Railroad Company. In 1931, Rosa Coal & Oil Company was identified in the central and southern portions of the Site until 1951. Between 1931 and 1951, the southeast corner of the Site was occupied by the Westchester Coal & Oil Company. Prior to 1966, it appears that the NYNH&H Railroad Company, Rosa Coal & Oil Company and Westchester Coal & Oil Company structures were demolished. A commercial building was constructed on the Site circa 1982 which contained offices as well as an electronics manufacturer in the 1990s. The commercial building was demolished in 2020 as part of the Site redevelopment. The foundation and basement areas for the new building have been constructed.

The Site was remediated to conditional Track 1 as of the end of 2021, when the Certificate of Completion (COC) was issued. A Track 1 soil remedy was achieved but residual groundwater and soil vapor contamination required Engineering Controls (ECs), including groundwater monitoring and a post-construction vapor intrusion investigation. An Environmental Easement (EE) was granted to the NYSDEC and recorded by the Site owners with the Westchester County Clerk, which required compliance with a Site Management Plan (SMP).

This PRR summarizes the required post-COC inspection and monitoring activities that were conducted during the current reporting period. The inspection and monitoring were conducted to ensure compliance with the EE and the SMP as approved by the NYSDEC.

1.2 EFFECTIVENESS OF REMEDIAL PROGRAM

To monitor the effectiveness of the impact on the Site of the Track 1 soil remedy and in-situ groundwater remediation, an on-Site monitoring well network has been sampled quarterly since the COC was issued. Monitoring wells MW-1D, MW-3D, and MW-5D were sampled for volatile organic compounds (VOCs), semi-VOCs (SVOCs), arsenic, chromium, copper, lead, nickel and manganese as described in Section 3.0.

1.3 COMPLIANCE

The post-COC sampling activities complied with the required sampling protocols in the SMP. SESI sampled the groundwater wells quarterly in June 2023, September 2023, November 2023 and February 2024. No samples were completed beyond this as the NYSDEC did not require further sampling and accepted the removal of the Environmental Easement per the letter dated March 11, 2025. (**Appendix A**).

1.4 CONCLUSIONS AND RECOMMENDATIONS

SESI has verified that the ECs and institutional controls (ICs) developed for the Site have been in compliance with the SMP during this PRR reporting period.

- The site-related contaminant levels in groundwater have generally been reduced to background concentrations by the soil remediation implemented at the Site. Therefore, SESI recommends no further groundwater monitoring.
- As stated in the approval letter from the NYSDEC dated May 18, 2022, no further action is required to address soil vapor intrusion at the Site.
- The NYSDEC stated in an approval letter from NYSDEC dated March 11, 2025 that no further sampling is required; therefore, no additional sampling was completed during this reporting period. The letter confirmed the Site meets the standard Unrestricted Track 1 remedy and the SMP and EE can be removed (**Appendix A**).

2.0 SITE OVERVIEW

2.1 SITE LOCATION AND DESCRIPTION

The Site address is 10 Commerce Drive (Proposed Mixed-Use Residential/Commercial Building). A United States Geological Survey topographical quadrangle map, SMP Figure 1.1, shows the Site location. All SMP figures are provided in **Appendix B**.

The Site is 0.99959 acres and is bounded by Commerce Drive, parking area and railroad to the north, and commercial properties to the east, west and south. The boundaries of the Site are more fully described in SMP Figure 1.2.

2.2 SITE HISTORY

The Site was developed with numerous residential dwellings in the 1800s and included a rail line spur and warehouse storage facilities related to the rail lines. In 1896, the northern and western portions of the Site were occupied by the NYNH&H Railroad Company. In 1931, Rosa Coal & Oil Company was identified in the central and southern portions of the Site until 1951. Between 1931 and 1951, the southeast corner of the Site was occupied by the Westchester Coal & Oil Company. Prior to 1966, it appears that the NYNH&H Railroad Company, Rosa Coal & Oil Company and Westchester Coal & Oil Company structures were demolished. A commercial and manufacturing building was constructed on the Site between 1980 and 1985 and demolished in 2020 as part of the Site redevelopment. The building has generally been constructed.

2.2.1 REMEDIAL INVESTIGATION (RI) CONDUCTED AT THE SITE

The following narrative provides an investigation and remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site.

The Remedial Investigation Report (RIR) (July 2021, Revised October 2021) and the Soil Investigation Summary Report (SISR) (May 2020, Revised July 2020) were prepared by SESI for work at the Site. The remedial investigation and soil investigation were conducted in accordance with the Remedial Investigation Work Plan (RIWP) for the Site, which was approved by the NYSDEC in April 2020, and the NYSDEC's Technical Guidance for Site Investigation and Remediation (DER-10).

The RI and SISR consisted of collecting 49 soil samples from 12 borings and seven (7) test pits, five (5) groundwater samples from five (5) monitoring wells (MW-1, MW-2, MW-3, MW-4, and MW-5) and eight (8) soil vapor samples (SV-1 through SV-8) between April 2020 and July 2021. Soil and groundwater samples were analyzed for a combination of full target compound list (TCL) and target analyte list (TAL) analytes – which include VOCs (USEPA Method 8260), metals (USEPA Methods 6010/7471), SVOCs (USEPA Method 8270), polychlorinated biphenyls (PCBs) and pesticides (USEPA Methods 8081/8082), and per and polyfluoroalkyl substances (PFAS, USEPA Modified Method 537), and 1,4 dioxane (USEPA Method 8270). Duplicates were included each day sampling was conducted, and trip blanks accompanied all samples analyzed for VOCs. Soil vapor samples were analyzed for VOCs in accordance with EPA Method TO-15.

Soil

Based on the soil investigation, the overall depth of impacted soils extended to up 12 feet (ft) below ground surface (bgs). Refusal was encountered between 9 and 19 feet bgs during the investigation due to the relatively shallow bedrock at the Site. Polycyclic aromatic hydrocarbon (PAH) impacts exceeding both Unrestricted Use Soil Cleanup Objectives (USCOs) and Restricted Residential Soil Cleanup Objectives were identified extending to a maximum depth of 11 feet bgs. Metals-contaminated soils exceeding the USCOs extended down to a maximum depth of 12 ft. bgs. Pesticides-impacted soils exceeding USCOs were identified in soils as deep as 11 ft. bgs at the Site. VOCs were identified exceeding the USCO in soil as deep as 9 ft. bgs. Perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) were identified in several soil samples at the Site, and several other PFAS compounds were sporadically detected in soil samples as well. All soil exceeding USCOs at the Site was removed as an interim remedial measure (IRM) performed during the fall of 2020 and concluding in January 2021.

Groundwater

The Site groundwater flow direction is variable, ranging from south-southwest to north-northeast. The groundwater table ranges from 2 to 9 ft-bgs.

Groundwater investigations during the RI detected contaminant concentrations that exceeded the NYSDEC Technical Operation and Guidance Series 1.1.1 Class GA groundwater Ambient Water Quality Standards (AWQS). Two (2) VOCs (chloroform and xylene) and several SVOCs were detected in select wells at concentrations in excess of the AWQS. Metals that exceeded AWQS included arsenic in two (2) wells (MW-1, MW-5D), chromium, copper, and lead in one (1) well (MW-4), aluminum in two (2) wells, sodium in four (4) wells, and iron in all five (5) wells. Two (2) pesticides (alpha-BHC and chlordane) were detected slightly above the AWQS, and PCBs were not detected in any of the groundwater samples.

In addition, emerging contaminants were evaluated as part of the groundwater investigation. PFOA and PFOS were not detected in excess of the NYSDEC Groundwater Maximum Contaminant Level of 10 ppt, and 1,4-dioxane was not detected in excess of the NYSDEC Maximum Contaminant Level of 1 ppb.

Soil Vapor

The results of the RI showed Site soil vapor contains numerous VOCs (i.e., petroleum hydrocarbons and chlorinated VOCs) across the Site exceeding the New York State Department of Health (NYSDOH) decision matrix screening values identified in the Guidance for Evaluating Soil Vapor Intrusion in the State of New York (2006, with updates). Tetrachloroethene was not detected in any groundwater samples, and xylene was detected in one (1) monitoring well (MW-1), which is located in close proximity to SV-7, but at a concentration of 5.9 ug/L, which would not be a source of VOCs in soil vapor. Ethanol, a common additive to fuels, was detected at elevated concentrations in five (5) soil vapor samples.

2.2.2 DESCRIPTION OF INTERIM REMEDIAL MEASURES

The RIWP for the Site was approved by the NYSDEC on April 14, 2020, and the Interim Remedial Measures Work Plan (IRMWP) for the Site was approved by the NYSDEC on October 7, 2020. These workplans enabled the demolition of on-Site structures and the installation of support of excavation (SOE) to facilitate the anticipated remediation pursuant to the Remedial Action Work Plan (RAWP). The following IRM components of the remedy

were completed as described below and in the IRM Construction Completion Report approved by the NYSDEC in July 2021:

- Demolition of existing Site building including asbestos abatement and removal of all demolition debris from the Site;
- Installation of an SOE in the form of soldier piles and lagging along the side walls of the entire Site for structural stability of the excavation and to prevent impact to structures on adjacent properties;
- Excavation of all Site soils exceeding the USCOs and therefore achieving the Track 1 USCOs for soils for the entire Site;
- Removal of six (6) 500-1,000 gallon buried orphan tanks found under the former building slab;
- Installation of soil vapor barrier/waterproofing membrane sealing layer as a construction element in the sub-slab under the enclosed portion of the building footprint that will include offices, maintenance spaces, a mailroom, a storage room, and residential apartments [Performed during IRM phase but not required by IRM Work Plan]; and
- Installation of sub-slab ventilation piping under the enclosed portion of the building footprint, which by itself is considered a passive control, and will be considered a remedial component as an engineering control only if active mitigation is required as a result of the soil vapor intrusion evaluation [Performed during IRM phase but not required by IRM Work Plan].

2.2.3 DESCRIPTION OF REMEDIAL ACTIONS

The Site was remediated in accordance with the remedy approved by the NYSDEC in the RAWP dated November 2021.

The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

1. Performing a soil vapor intrusion evaluation throughout the ground floor including residential, lobby, storage, and garage areas to determine if the sub-slab depressurization system will be required to function as an EC. The

evaluation will include the collection of multiple samples throughout the building's garage and enclosed portion of the first floor prior to occupancy. If current or potential soil vapor intrusion impacts are identified, active mitigation will be recommended.

2. Collecting one (1) round of groundwater samples from the existing monitoring wells to confirm the RIR results and the need for post-COC monitoring,
3. Short-term monitoring of the Site groundwater (up to 5 years) for any monitoring wells that exhibit Site-related contamination that exceeds the AWQS;
4. Execution and recording of an Environmental Easement to restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County Department of Health;
5. Development and implementation of a Site Management Plan, for post-remediation management of any residual groundwater and soil vapor contamination as required by the EE, particularly as they pertain to plans for: (1) Institutional and Engineering Controls, (2) groundwater monitoring/sub-slab depressurization system monitoring and inspections, and (3) reporting; and
6. Periodic certification of the Institutional and Engineering controls listed above.

2.2.4 REMOVAL OF CONTAMINATED MATERIALS FROM THE SITE

Remedial Excavation

The contaminated fill and soil were removed from the entire footprint of the Site down to a depth of approximately 6.5 to 13 feet across the Site. One (1) discrete area was further excavated to 18 ft-bgs. In total, 25,638 cubic yards of contaminated soil was removed from the Site and was all disposed of as contaminated soil at the Former New Jersey Zinc-West Plant in Palmerton, Pennsylvania and Kingsland Landfill Closure Project in Lyndhurst, New Jersey disposal facilities. The final excavation elevations are shown on CCR Figure 4.1 and CCR Appendix F.

Petroleum-Contaminated Water

The petroleum-contaminated water was vacuumed from the Site during the underground storage tank excavations. A total of 1,277 gallons were removed and disposed of by Luzon Environmental Services in Woodridge, New York.

Groundwater Dewatering

The contaminated groundwater was dewatered from the Site during the excavation, using a dewatering pump, a 21,000-gallon settling tank, a 5-micron inline bag filter, three (3) 1,800-pound liquid phase granular activated carbon vessels, and a clean water buffer storage tank. The volume of water discharged to the Passaic Valley Sewerage Commission from November 17, 2020, to December 23, 2020, was approximately 171,600 gallons. The volume of water discharged to the New Rochelle sewage system between January 10 and 31, 2021, was approximately 161,300 gallons.

2.2.5 ON-SITE AND OFF-SITE TREATMENT SYSTEMS

No long-term treatment systems were required to be installed as part of the Site remedy.

2.2.6 DESCRIPTION OF RESIDUAL CONTAMINATION

Described in Section 3.0 of this report.

2.2.7 MANAGEMENT OF RESIDUAL CONTAMINATION THROUGH INSTITUTIONAL AND ENGINEERING CONTROLS IN THE ENVIRONMENTAL EASEMENT

The SMP lists the ICs and ECs required by the NYSDEC to manage the residual contamination present at this Site to protect public health and the environment in the future and keep the Site safe for reuse. However, the SMP and EE are no longer needed per the NYSDEC letter dated March 11, 2025 (**Appendix A**).

The Site has now achieved a Track 1 remedy pursuant to the post-COC data that has been collected and is presented below in this PRR. The Department required an EE be placed on the Site to mainly monitor the groundwater after the implementation of the groundwater remedy and evaluate residual soil vapor. An SMP (December 2021) was prepared by Sesi and approved by the NYSDEC for the short-term management and

monitoring of the EE requirements. The SMP and EE can be terminated per the NYSDEC letter received on March 11, 2025 (**Appendix A**).

3.0 REMEDY PERFORMANCE, EFFECTIVENESS, PROTECTIVENESS

The goal of the SMP is to manage the residual contamination at the Site through implementation of ICs and ECs until the Department determines that the conditional Track 1 designation can be changed to an unconditional Track 1. SESI has conducted this required monitoring/inspection of the ICs on the Site in accordance with the SMP dated December 2021.

The overall SMP monitoring requirements were designed to monitor the remaining low levels of dissolved groundwater contamination post remediation remaining to demonstrate that: (a) the groundwater standards have been achieved, or (b) asymptotic levels that are acceptable by the NYSDEC and NYSDOH have been reached; and that soil vapor intrusion is not occurring inside any of the newly constructed buildings. This has been achieved per the March 11, 2025 letter and no further sampling is required (**Appendix A**).

3.1 GROUNDWATER MONITORING

To monitor the effectiveness of the contaminant removal and the Site's natural attenuation, an on-Site monitoring well network of 8 wells (MW-1, MW-1D, MW-2, MW-3, MW-3D, MW-4R, MW-5, and MW-5D) was required to be sampled per the SMP. However, two (2) of these wells (MW-3, MW-5) have been dry since the RI, and two (2) more of these wells (MW-1, MW-2) have been dry since the repair of a leaking water main that had been causing an artificially high water table at the Site until late 2022. In addition, well MW-4R was inadvertently destroyed in early 2023. Thus, three (3) wells were sampled quarterly during this PRR reporting period. The groundwater sampling and purging logs are presented in **Appendix C**. **Table 3.1** presents the groundwater analytical result summary compared to the AWQS. **Table 3.2** below presents a historic summary of previous VOC, PAH, and metal exceedances of the AWQS in groundwater. The laboratory data of the sampling events for this monitoring period are presented in **Appendix D**. The monitoring well locations and AWQS exceedances are depicted in **Figure 3.1**.

VOCs and SVOCs

The quarterly data from this reporting period indicates that VOCs were not detected exceeding the AWQS, and SVOCs were not detected at all during this reporting period. A

summary of all VOC and SVOC exceedances in groundwater post-COC is presented on **Table 3.2** below and **Figure 3.1**. No samples were collected during this reporting period.

Table 3.2: Historic Summary of VOC and SVOC Groundwater Exceedances

LOCATION		MW-1		
SAMPLE ID		MW-1	MW-1	MW-1 092022
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	9/20/2022
VOCs (ug/l)				
Acetone	50	ND (10)	ND (10)	ND (10)
Chloroform	7	20.2	35.9	25.2
SVOCs (ug/l)				
Benzo(a)anthracene	0.002	ND (0.95)	ND (1.0)	ND (1.0)
Benzo(a)pyrene	0	ND (0.95)	ND (1.0)	ND (1.0)
Benzo(b)fluoranthene	0.002	ND (0.95)	ND (1.0)	ND (1.0)
Chrysene	0.002	ND (0.95)	ND (1.0)	ND (1.0)

LOCATION		MW 1D								
SAMPLE ID		MW-1D	MW-1D	MW-1D 092022	MW-1D	MW-1D	MW1D	MW-1D	MW 1D	MW 1D
LAB SAMPLE ID		JD41586-1	JD46670-1	JD52207-7	JD57387-3	JD62616-4	JD68461-3	JD73184-1	JD77840-1	JD82019-1
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	9/20/2022	12/15/2022	3/24/2023	6/28/2023	9/20/2023	11/30/2023	2/7/2024
VOCs (ug/l)										
Acetone	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform	7	27.5	44.9	29.1	0.96 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
SVOCs (ug/l)										
Benzo(a)anthracene	0.002	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Benzo(a)pyrene	0	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Benzo(b)fluoranthene	0.002	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Chrysene	0.002	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)

LOCATION		MW-2		
SAMPLE ID		MW-2	MW-2	MW-2 92022
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	9/20/2022
VOCs (ug/l)				
Acetone	50	ND (10)	ND (10)	ND (10)
Chloroform	7	32.3	48.5	30.5
SVOCs (ug/l)				
Benzo(a)anthracene	0.002	ND (1.0)	ND (1.0)	ND (1.0)
Benzo(a)pyrene	0	ND (1.0)	ND (1.0)	ND (1.0)
Benzo(b)fluoranthene	0.002	ND (1.0)	ND (1.0)	ND (1.0)
Chrysene	0.002	ND (1.0)	ND (1.0)	ND (1.0)

LOCATION		MW-3D								
SAMPLE ID		MW-3D	MW-3D	MW-3D 92022	MW-3D	MW-3D	MW3D	MW-3D	MW 3D	MW 3D
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	9/20/2022	12/15/2022	3/24/2023	6/28/2023	9/20/2023	11/30/2023	2/7/2024
VOCs (ug/l)										
Acetone	50	1480	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform	7	25	43	28	1.8	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
SVOCs (ug/l)										
Benzo(a)anthracene	0.002	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.83)
Benzo(a)pyrene	0	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.83)
Benzo(b)fluoranthene	0.002	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.83)
Chrysene	0.002	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.83)

LOCATION		MW-4R			
SAMPLE ID		MW-4R	MW-4R	MW-4R 92022	MW-4R
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	9/20/2022	12/15/2022
VOCs (ug/l)					
Acetone	50	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform	7	ND (1.0)	1.8	5.9	1.1
SVOCs (ug/l)					
Benzo(a)anthracene	0.002	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)
Benzo(a)pyrene	0	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)
Benzo(b)fluoranthene	0.002	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)
Chrysene	0.002	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)

LOCATION		MW-5	
SAMPLE ID		MW-5	MW-5
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022
VOCs (ug/l)			
Acetone	50	ND (10)	ND (10)
Chloroform	7	28.6	45.1
SVOCs (ug/l)			
Benzo(a)anthracene	0.002	ND (1.0)	ND (0.97)
Benzo(a)pyrene	0	ND (1.0)	ND (0.97)
Benzo(b)fluoranthene	0.002	ND (1.0)	ND (0.97)
Chrysene	0.002	ND (1.0)	ND (0.97)

LOCATION		MW 5D							
SAMPLE ID		MW-5D	MW-5D	MW-5D	MW-5D	MW5D	MW-5D	MW 5D	MW 5D
LAB SAMPLE ID		JD41586-4	JD46670-4	JD57387-1	JD62616-1	JD68461-1	JD73184-3	JD77840-3	JD82019-3
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	12/15/2022	3/24/2023	6/28/2023	9/20/2023	11/30/2023	2/7/2024
VOCs (ug/l)									
Acetone	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform	7	33.2	46.4	3.8	6.3	3.7	2.5	ND (1.0)	1.1
SVOCS (ug/l)									
Benzo(a)anthracene	0.002	ND (1.1)	ND (1.0)	0.25 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Benzo(a)pyrene	0	ND (1.1)	ND (1.0)	0.23 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Benzo(b)fluoranthene	0.002	ND (1.1)	ND (1.0)	0.24 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Chrysene	0.002	ND (1.1)	ND (1.0)	0.22 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)

Notes:

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

Units = microgram per liter (ug/l)

ND = Not Detected

J = Estimated

NS = Not Sampled

Exceeds NY AWQS

Metals

Pre-COC groundwater sampling identified arsenic, chromium, copper, lead, nickel and manganese above the AWQS that required monitoring post-COC. Quarterly groundwater samples from this reporting period indicate concentrations of manganese above the AWQS in MW-3D only, with no other metals exceeding AWQS in any wells. The manganese concentrations in MW-3D are likely a result of regional background concentrations of manganese in groundwater, as demonstrated by the presence of manganese above AWQS in the groundwater at several BCP sites in close proximity to this Site, including the Cottage Garden Auto Repair Site (C360180), the Cedar Street Works Former MGP Site (C360173), and the Garden Street Apartments Site (C360188). A summary of metal exceedances in groundwater is presented on **Table 3.3** below and **Figure 3.1**. No samples were collected during this reporting period.

Table 3.3: Historic Summary of Metal Groundwater Exceedances

LOCATION		MW-1		
SAMPLE ID		MW-1	MW-1	MW-1 092022
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	9/20/2022
Metals (ug/l)				
Antimony	3	-	ND (6.0)	ND (6.0)
Cadmium	5	-	ND (3.0)	ND (3.0)
Chromium	50	ND (10)	ND (10)	ND (10)
Copper	200	ND (10)	ND (10)	ND (10)
Lead	25	ND (3.0)	ND (3.0)	ND (3.0)
Manganese	300	111	45.7	40.8
Nickel	100	ND (10)	ND (10)	ND (10)

LOCATION		MW 1D							
SAMPLE ID		MW-1D	MW-1D	MW-1D 092022	MW-1D	MW-1D	MW1D	MW-1D	MW 1D
LAB SAMPLE ID		JD41586-1	JD46670-1	JD52207-7	JD57387-3	JD62616-4	JD68461-3	JD73184-1	JD77840-1
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	9/20/2022	12/15/2022	3/24/2023	6/28/2023	9/20/2023	11/30/2023
Metals (ug/l)									
Antimony	3	-	ND (6.0)	ND (6.0)	ND (6.0)	-	-	-	-
Cadmium	5	-	ND (3.0)	ND (3.0)	ND (3.0)	-	-	-	-
Chromium	50	ND (10)	ND (10)	ND (10)	ND (10)	10.2	ND (10)	ND (10)	10.3
Copper	200	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	34.6	14.2
Lead	25	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)
Manganese	300	ND (15)	ND (15)	ND (15)	98.8	113	113	111	108
Nickel	100	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

LOCATION		MW-2		
SAMPLE ID		MW-2	MW-2	MW-2 9/20/22
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	9/20/2022
Metals (ug/l)				
Antimony	3	-	ND (6.0)	ND (6.0)
Cadmium	5	-	ND (3.0)	ND (3.0)
Chromium	50	ND (10)	ND (10)	ND (10)
Copper	200	ND (10)	ND (10)	ND (10)
Lead	25	ND (3.0)	ND (3.0)	ND (3.0)
Manganese	300	ND (15)	ND (15)	ND (15)
Nickel	100	ND (10)	ND (10)	ND (10)

LOCATION		MW-3D								
SAMPLE ID		MW-3D	MW-3D	MW-3D 9/20/22	MW-3D	MW-3D	MW3D	MW-3D	MW 3D	MW 3D
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	9/20/2022	12/15/2022	3/24/2023	6/28/2023	9/20/2023	11/30/2023	2/7/2024
Metals (ug/l)										
Antimony	3	-	ND (6.0)	ND (6.0)	ND (6.0)	-	-	-	-	-
Cadmium	5	-	ND (3.0)	ND (3.0)	ND (3.0)	-	-	-	-	-
Chromium	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Copper	200	11.9	ND (10)	ND (10)	11	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Lead	25	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (6.0)	ND (3.0)	ND (3.0)	ND (3.0)
Manganese	300	ND (15)	ND (15)	ND (15)	236	519	636	874	1090	803
Nickel	100	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

LOCATION		MW-4R			
SAMPLE ID		MW-4R	MW-4R	MW-4R 9/20/22	MW-4R
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	9/20/2022	12/15/2022
Metals (ug/l)					
Antimony	3	-	ND (6.0)	ND (6.0)	ND (6.0)
Cadmium	5	-	ND (3.0)	ND (3.0)	ND (3.0)
Chromium	50	ND (10)	ND (10)	ND (10)	ND (10)
Copper	200	ND (10)	ND (10)	ND (10)	ND (10)
Lead	25	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)
Manganese	300	1890	3100	889	310
Nickel	100	ND (10)	ND (10)	ND (10)	ND (10)

LOCATION		MW-5	
SAMPLE ID		MW-5	MW-5
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022
Metals (ug/l)			
Antimony	3	-	ND (6.0)
Cadmium	5	-	ND (3.0)
Chromium	50	ND (10)	ND (10)
Copper	200	ND (10)	ND (10)
Lead	25	ND (3.0)	ND (3.0)
Manganese	300	16.4	ND (15)
Nickel	100	ND (10)	ND (10)

LOCATION		MW 5D							
SAMPLE ID		MW-5D	MW-5D	MW-5D	MW-5D	MW5D	MW-5D	MW 5D	MW 5D
LAB SAMPLE ID		JD41586-4	JD46670-4	JD57387-1	JD62616-1	JD68461-1	JD73184-3	JD77840-3	JD82019-3
SAMPLING DATE	NY-AWQS	3/17/2022	6/14/2022	12/15/2022	3/24/2023	6/28/2023	9/20/2023	11/30/2023	2/7/2024
Metals (ug/l)									
Antimony	3	-	ND (6.0)	17.7	-	-	-	-	-
Cadmium	5	-	ND (3.0)	7.3	-	-	-	-	-
Chromium	50	ND (10)	ND (10)	100	ND (10)	ND (10)	11.5	ND (10)	ND (10)
Copper	200	17.2	10.9	238	14.6	16.7	32.4	ND (10)	20.2
Lead	25	4.6	ND (3.0)	84.5	ND (3.0)	5.7	11.5	ND (3.0)	5.3
Manganese	300	74.8	26.1	1770	92.8	116	275	115	193
Nickel	100	ND (10)	ND (10)	123	ND (10)	ND (10)	14.2	ND (10)	ND (10)

Notes:

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

Units = microgram per liter (ug/l)

ND = Not Detected

NS = Not Sampled

Exceeds NY AWQS

4.0 IC/EC PLAN COMPLIANCE

4.1 IC/EC REQUIREMENTS AND COMPLIANCE

Institutional and Engineering Controls

The Site remedy required that an EE be placed on the Site mainly to monitor groundwater and soil vapor post COC. An SMP (December 2021) was prepared by SESI and approved by the NYSDEC for the short-term management and monitoring of the EE requirements.

Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC Division of Environmental Remediation (DER-10) Technical Guidance for Site Investigation and Remediation (May 3, 2010).

Monitoring Wells Associated with Monitored Natural Attenuation

Groundwater monitoring activities to assess natural attenuation is required to continue as determined by the NYSDEC, with consultation with NYSDOH, until residual groundwater concentrations are found to be below ambient water quality standards, the Site standards, criteria, and guidance, or have become asymptotic at an acceptable level over an extended period. In the event that monitoring data indicates that monitoring for natural attenuation may no longer be required, a proposal to discontinue monitoring can be submitted by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC.

Soil Vapor Intrusion Evaluation

A soil vapor intrusion evaluation was also required to be performed. Upon completion of the evaluation, no further monitoring is deemed necessary.

4.2 IC/EC CERTIFICATION

The NYSDEC Institutional and Engineering Controls Certification Form has been completed and is included in **Appendix E**.

5.0 MONITORING PLAN COMPLIANCE

Monitoring Completed During Current Reporting Period

Table 5.1: Monitoring Program Frequency

Monitoring Program	Frequency	Matrix	Analysis
Groundwater	Quarterly	Water	VOCs, SVOCs, arsenic, chromium, copper, lead, nickel, manganese

Groundwater Monitoring

Groundwater samples were collected from MW-1D, MW-3D, and MW-5D quarterly in accordance with the SMP. Groundwater samples were analyzed for VOCs, SVOCs, arsenic, chromium, copper, lead, nickel and manganese as described in Section 3.0.

Sub-slab Vapor Monitoring

Sub-slab vapor samples and corresponding indoor air samples were collected from under the building during the previous reporting period in March 2022.

Comparison with Remedial Objectives

Groundwater

- The groundwater data indicates that no VOCs or SVOCs are present above the AWQS during this reporting period.
- The groundwater data shows no metals exceeding AWQS, with the exception of manganese in MW-3D, which is attributed to regional background concentrations of manganese in groundwater based on its detection above AWQS at several nearby BCP sites.
- The groundwater data confirms that there is no residual site-related contamination post-remediation that requires continued monitoring.
- As stated in the approval letter from NYSDEC dated March 11, 2025, no further action is required to address groundwater intrusion at the Site.

Soil Vapor

The sub-slab vapor sampling results for the March 2022 sampling event are within the “No Further Action” recommendation levels when compared to the NYSDOH Decision Matrices. Therefore, there is no vapor intrusion risk that requires additional monitoring. As stated in the approval letter from the NYSDEC dated May 18, 2022, no further action is required to address soil vapor intrusion at the Site.

Monitoring Deficiencies

All aspects of the monitoring plan were in accordance with NYSDEC applicable regulations.

Conclusions and Recommendations

- The groundwater data confirms that there is no residual site-related contamination post-remediation that requires continued monitoring.
- As stated in the approval letter from the NYSDEC dated May 18, 2022, no further action is required to address soil vapor intrusion at the Site.
- For these reasons the Site meets the standard for an Unrestricted Track 1 remedy. SESI is hereby requesting on behalf of the volunteer that groundwater monitoring should cease and the SMP and EE should be terminated.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE

The Site remedy does not rely on any mechanical systems, such as sub-slab depressurization systems or air sparge/soil vapor extraction systems, to protect public health and the environment. Therefore, the operation and maintenance of such components is not applicable.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Compliance with the SMP

All aspects of the SMP, including IC/EC and monitoring, have met the requirements. The O&M is not required at this time for the Site.

There are no new exposure pathways resulting in an unacceptable risk.

Performance and Effectiveness of the Remedy

The sampling of the monitoring well network has established the effectiveness of the Site's ability to naturally degrade the contaminants of concern in groundwater.

Future PRR Submittals

It has been noted by the NYSDEC that no future PRR will be required due to the removal of the SMP and EE requirements.

Recommendations

We recommend the following:

- The groundwater data confirms that there is no residual site-related contamination post-remediation that requires continued monitoring. Thus, the Site meets the standard for an Unrestricted Track 1 remedy. The NYSDEC responded in a letter on March 11, 2025, approving the termination of the SMP and EE.

Tables

TABLE 3.1 - GROUNDWATER ANALYTICAL RESULTS
10 COMMERCE DRIVE RAIL YARD (C360192)
NEW ROCHELLE, NEW YORK

LOCATION		MW-1													
SAMPLE ID		MW-1	MW-1	MW-1 092022	MW-1D	MW-1D	MW-1D 092022	MW-1D	MW-1D	MW-1D	MW1D	MW-1D	MW 1D	MW 1D	MW-2
LAB SAMPLE ID		JD41586-2	JD46670-2	JD52207-6	JD41586-1	JD46670-1	JD52207-7	JD57387-3	JD62616-4	JD68461-3	JD73184-1	JD77846-1	JD82019-1	JD41586-6	
SAMPLE DATE		3/17/2022	6/14/2022	9/26/2022	3/17/2022	6/14/2022	9/26/2022	12/15/2022	3/24/2023	6/26/2023	9/26/2023	3/17/2024	3/17/2024	3/17/2022	
SAMPLE TYPE	NY-AWQS	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	
VOCs (ug/l)															
1,1,1-Trichloroethane	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2,3-Trichlorobenzene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2,4-Trichlorobenzene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dibromo-3-chloropropane	0.04	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,2-Dichloroethane	0.006	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichlorobenzene	3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethene	0.6	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,3-Dichlorobenzene	3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,4-Dichlorobenzene	3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (MEK)	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	50	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-pentanone (MIBK)	-	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	1	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Bromochloromethane	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	50	2.2	3	3	2.9	3.3	3.2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	3.3	ND (1.0)
Bromoform	50	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	60	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform	7	20.2	35.9	25.2	27.5	44.9	29.1	0.96 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	32.3	ND (1.0)
Chloromethane	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Cyclohexane	-	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	1.5 J	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Dibromochloromethane	50	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dichlorodifluoromethane	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Ethylbenzene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Freon 113	5	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Isopropylbenzene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
m,p-Xylene	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methyl Acetate	-	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methyl Tert Butyl Ether	10	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylcyclohexane	-	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
o-Xylene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichlorofluoromethane	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Vinyl chloride	2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Total HC, Volatile	-	0	0	0	0	0	0	0	0	-	0	0	0	0	0
SVOCs (ug/l)															
1,1'-Biphenyl	5	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)	ND (1.0)	ND (1.0)
1,2,4,5-Tetrachlorobenzene	5	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (1.8)	ND (2.0)	ND (2.0)
1,4-Dioxane	1	-	-	ND (1.0)	-	-	ND (1.0)	-	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)	-	-
2,2'-Oxybis(1-chloropropane)	5	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (1.8)	ND (2.0)	ND (2.0)
2,3,4,5-Tetrachlorophenol	-	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.3)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (3.6)	ND (5.0)	ND (5.0)
2,4,5-Trichlorophenol	-	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.3)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (3.6)	ND (5.0)	ND (5.0)
2,4,6-Trichlorophenol	-	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.3)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (3.6)	ND (5.0)	ND (5.0)
2,4-Dichlorophenol	1	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (1.8)	ND (2.0)	ND (2.0)
2,4-Dimethylphenol	1	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.3)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (3.6)	ND (5.0)	ND (5.0)
2,4-Dinitrophenol	1	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.3)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (3.6)	ND (5.0)	ND (5.0)
2,4-Dinitrotoluene	5	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)	ND (1.0)	ND (1.0)
2,6-Dinitrotoluene	5	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)	ND (1.0)	ND (1.0)
2-Chloronaphthalene	-	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (1.8)	ND (2.0)	ND (2.0)
2-Chlorophenol	-	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.3)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (3.6)	ND (5.0)	ND (5.0)
2-Methylnaphthalene	-	0.53 J	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)	ND (1.0)	ND (1.0)
3-Methylphenol	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (1.8)	ND (2.0)	ND (2.0)
2-Nitroaniline	5	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.3)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)						

TABLE 3.1 - GROUNDWATER ANALYTICAL RESULTS
10 COMMERCE DRIVE RAIL YARD (C360192)
NEW ROCHELLE, NEW YORK

LOCATION		MW-1											
SAMPLE ID		MW-1	MW-1	MW-1 092022	MW-1D	MW-1D	MW-1D 092022	MW-1D	MW1D	MW1D	MW1D	MW1D	MW-2
LAB SAMPLE ID		JD41586-2	JD46670-2	JD52207-6	JD41586-1	JD46670-1	JD52207-7	JD57387-3	JD62616-4	JD68461-3	JD73184-1	JD77840-1	JD82019-1
SAMPLING DATE		3/17/2022	6/14/2022	9/26/2022	3/17/2022	6/14/2022	9/26/2022	12/15/2022	3/24/2023	6/28/2023	9/26/2023	11/26/2023	2/7/2024
SAMPLE TYPE	NY-AWQS	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
4-Chlorophenyl phenyl ether	-	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
4-Nitroaniline	5	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.3)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (5.0)
4-Nitrophenol	-	ND (9.5)	ND (10)	ND (10)	ND (11)	ND (9.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (11)	ND (10)
Acenaphthene	20	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)
Acenaphthylene	-	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.89)	ND (1.0)
Acetophenone	-	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Anthracene	50	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.89)	ND (1.0)
Atrazine	7.5	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Benzaldehyde	-	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.3)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (5.0)
Benzo(a)anthracene	0.002	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Benzo(a)pyrene	0	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.89)	ND (1.0)
Benzo(b)fluoranthene	0.002	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Benzo(g,h,i)perylene	-	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Benzo(k)fluoranthene	0.002	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
bis(2-Chloroethoxy)methane	5	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
bis(2-Chloroethyl)ether	1	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
bis(2-Ethylhexyl)phthalate	5	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Butyl benzyl phthalate	50	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Caprolactam	-	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Carbazole	-	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.89)	ND (1.0)
Chrysene	0.002	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Di-n-butyl phthalate	50	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Di-n-octyl phthalate	50	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Dibenz(a,h)anthracene	-	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Dibenzofuran	-	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.3)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (5.0)
Diethyl phthalate	50	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Dimethyl phthalate	50	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Fluoranthene	50	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Fluorene	50	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Hexachlorobenzene	0.04	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Hexachlorodutadiene	0.5	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Hexachlorocyclopentadiene	5	ND (9.5)	ND (10)	ND (10)	ND (11)	ND (9.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (11)	ND (10)	ND (10)
Hexachloroethane	5	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Indeno(1,2,3-cd)pyrene	0.002	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Isophorone	50	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
N-Nitroso-di-n-propylamine	-	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
N-Nitrosodiphenylamine	50	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.3)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (5.0)
Naphthalene	10	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Nitrobenzene	0.4	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Pentachlorophenol	1	ND (3.8)	ND (4.0)	ND (4.0)	ND (4.2)	ND (3.8)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.3)	ND (4.0)	ND (4.0)
Phenanthrene	50	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Phenol	1	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)
Pyrene	50	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.1)	ND (0.95)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.89)
Total TIC, Semi-Volatile	-	12.5 J	0	0	0	0	0	4.4 J	6 J	-	32.4 J	4.1 J	0
SVOCs SIM (ug/l)	-												
1,4-Dioxane	1	ND (0.095)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.095)	ND (0.10)	0.562	-	-	ND (0.11)	ND (0.10)	ND (0.27)
Metals (ug/l)													
Arsenic	25	ND (3.0)	ND (3.0)	ND (3.0)	5.2	ND (3.0)	4.6	ND (3.0)	3.1	3.8	3.8	3.3	ND (3.0)
Chromium	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	10.2	ND (10)	10.3	14.6	ND (10)
Copper	200	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	34.6	14.2	10
Lead	25	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)
Manganese	300	111	45.7	40.8	ND (15)	ND (15)	ND (15)	98.8	113	113	113	108	ND (15)
Nickel	100	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
NY-AWQS: New York TOGS 111 Ambient Water
Quality Standards criteria reflects all addendum to
criteria through June 2004.

Units = microgram per liter (ug/l)

U = Not Detected

J = Estimated

NS = Not Sampled

Exceeds NY AWQS

TABLE 3.1 - GROUNDWATER ANALYTICAL RESULTS
10 COMMERCE DRIVE RAIL YARD (C360192)
NEW ROCHELLE, NEW YORK

[illegible]

TABLE 3.1 - GROUNDWATER ANALYTICAL RESULTS
10 COMMERCE DRIVE RAIL YARD (C360192)
NEW ROCHELLE, NEW YORK

LOCATION		MW-2	MW-2 92022	MW-3D	MW-3D	MW-3D 92022	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-4R	MW-4R	MV
SAMPLE ID		MW-2	MW-2 92022	MW-3D	MW-3D	MW-3D 92022	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-4R	MW-4R	MV
LAB SAMPLE ID		JD46670-6	JDS2057-8	JD41586-5	JD46670-5	JDS2207-1	JDS7387-2	JD62616-3	JD68461-2	JD73184-2	JD77840-2	JD82019-2	JD41586-7	JD46670-7		
SAMPLING DATE		6/14/2022	9/20/2022	3/17/2022	6/14/2022	9/20/2022	12/15/2022	3/24/2023	6/28/2023	9/13/2023	2/7/2024	3/17/2024	3/17/2022	6/14/2022		
SAMPLE TYPE	NY-AWOS	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
4-Chlorophenyl phenyl ether	-	ND (5.0)	ND (5.0)	ND (2.2)	ND (5.0)	ND (2.0)	ND (5.0)	ND (4.9)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Nitroaniline	-	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Nitrophenol	-	ND (10)	ND (10)	ND (11)	ND (10)	ND (9.8)	ND (10)	ND (9.6)	ND (10)	ND (9.6)	ND (10)	ND (10)	ND (6.7)	ND (11)	ND (10)	ND (10)
Acenaphthene	20	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Acenaphthylene	-	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Acetophenone	-	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Anthracene	50	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Atrazine	7.5	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Benzaldehyde	-	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (4.9)	ND (5.0)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.3)	ND (5.3)	ND (5.0)	ND (5.0)
Benzo(a)anthracene	0.002	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Benzo(a)pyrene	0	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Benzo(b)fluoranthene	0.002	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Benzo(g,h,i)perylene	-	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Benzo(k)fluoranthene	0.002	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
bis(2-Chloroethoxy)methane	5	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
bis(2-Chloroethyl)ether	1	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
bis(2-Ethylhexyl)phthalate	5	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Butyl benzyl phthalate	50	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Caprolactam	-	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Carbazole	-	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Chrysene	0.002	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Di-n-butyl phthalate	50	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Di-n-octyl phthalate	50	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Dibenz(a,h)anthracene	-	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Dibenzofuran	-	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (4.9)	ND (5.0)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.3)	ND (5.3)	ND (5.0)	ND (5.0)
Diethyl phthalate	50	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Dimethyl phthalate	50	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Fluoranthene	50	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Fluorene	50	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Hexachlorobenzene	0.04	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Hexachlorobutadiene	0.5	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Hexachlorocyclopentadiene	5	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Hexachlorothene	5	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Indeno(1,2,3-cd)pyrene	0.002	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Isoptrene	-	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
N-Nitrosod-n-propylamine	-	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
N-Nitrosodiphenylamine	-	ND (5.0)	ND (5.0)	ND (5.4)	ND (5.0)	ND (4.9)	ND (5.0)	ND (4.8)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.3)	ND (5.3)	ND (5.0)	ND (5.0)
Naphthalene	10	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Nitrobenzene	0.4	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Phenylchlorophenol	1	ND (4.0)	ND (4.0)	ND (4.3)	ND (4.0)	ND (3.9)	ND (4.0)	ND (3.8)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (3.3)	ND (4.3)	ND (4.0)	ND (4.0)
Phenanthrene	50	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Phenol	1	ND (2.0)	ND (2.0)	ND (2.2)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.7)	ND (2.1)	ND (2.0)	ND (2.0)
Pyrene	50	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.0)	ND (0.98)	ND (1.0)	ND (0.96)	ND (1.0)	ND (0.96)	ND (1.0)	ND (1.0)	ND (0.83)	ND (1.1)	ND (1.0)	ND (1.0)
Total TIC, Semi-Volatile	-	0	0	0	5.5 J	0	17.1 J	0	-	15.3 J	30 J	0	0	0	0	
SvOCS SMI (ug/l)																
1,4-Dioxane	1	ND (0.10)	ND (0.10)	0.159	ND (0.10)	0.098	ND (0.10)	-	-	ND (0.10)	ND (0.10)	ND (0.25)	ND (0.11)	ND (0.10)	ND (0.10)	
Metals (ug/l)																
Arsenic	25	3.4	3.1	ND (3.0)	ND (3.0)	3.2	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (6.0)	
Chromium	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	
Copper	200	ND (10)	ND (10)	11.9	ND (10)	ND (10)	11	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	
Lead	25	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (6.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	
Manganese	200	ND (15)	ND (15)	615	ND (15)	234	108	234	108	234	108	234	108	234	2100	
Nickel	100	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	

Notes:
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to

Units = microgram per liter (ug/l)

U = Not Detected

J = Estimated

NS = Not Sampled

TABLE 3.1 - GROUNDWATER ANALYTICAL RESULTS
10 COMMERCE DRIVE RAIL YARD (C360192)
NEW ROCHELLE, NEW YORK

LOCATION		-4R	MW-5											
SAMPLE ID		MW-4R 92022	MW-4R	MW-5	MW-5	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D
LAB SAMPLE ID		J052207-2	J057387-4	J041586-3	J046670-3	J041586-4	J046670-4	J057387-1	J068461-1	J073184-3	J077840-3	J082019-3		
SAMPLING DATE		9/29/2022	12/15/2022	3/17/2022	6/14/2022	3/17/2022	6/14/2022	12/15/2022	3/24/2023	6/29/2023	11/30/2023	2/7/2024		
SAMPLE TYPE	NY-AWQS	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
VOCs (ug/l)														
1,1,1-Trichloroethane	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2,3-Trichlorobenzene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2,4-Trichlorobenzene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dibromo-3-chloropropane	0.04	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,2-Dichloroethane	0.006	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichlorobenzene	3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethene	0.6	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,3-Dichlorobenzene	3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,4-Dichlorobenzene	3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Butanone (MEK)	50	3.5 J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	50	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4-Methyl-2-pentanone(MIBK)	-	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Acetone	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	1	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Bromochloromethane	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	5	ND (1.0)	ND (1.0)	3	2.9	2.9	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoforn	50	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon disulfide	60	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Carbon tetrachloride	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroform	7	5.9	1.1	28.6	45.1	33.2	46.4	3.8	6.3	3.7	2.5	ND (1.0)	1.1	ND (1.0)
Chloromethane	5	0.83 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,2-Dichloroethene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
cis-1,3-Dichloropropene	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Cyclohexane	-	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Dibromochloromethane	50	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dichlorodifluoromethane	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Ethylbenzene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Freon 113	5	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Isopropylbenzene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
m,p-Xylene	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methyl Acetate	-	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methyl Tert Butyl Ether	10	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylcyclohexane	-	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
o-Xylene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,3-Dichloropropene	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichlorofluoromethane	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Vinyl chloride	2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylene (total)	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Total H.C. Volatile	-	0	0	0	0	0	0	0	0	-	0	0	0	0
SVOCs (ug/l)														
1,1-Biphenyl	5	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)	ND (1.8)
1,2,4,5-Tetrachlorobenzene	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)	ND (1.8)
1,4-Dioxane	1	ND (0.98)	-	-	-	-	-	-	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)	ND (1.8)
2,2'-Oxybis(1-chloropropane)	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)	ND (1.8)
2,3,4,5-Tetrachlorophenol	-	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)	ND (3.6)
2,4,5-Trichlorophenol	-	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)	ND (3.6)
2,4,6-Trichlorophenol	-	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)	ND (3.6)
2,4-Dichlorophenol	1	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)	ND (1.8)
2,4-Dimethylphenol	1	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)	ND (3.6)
2,4-Dinitrophenol	1	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)	ND (3.6)
2,4-Dinitrotoluene	5	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)	ND (1.8)
2,6-Dinitrotoluene	5	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)	ND (1.8)
2-Chloronaphthalene	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)	ND (1.8)
2-Chlorophenol	-	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)	ND (3.6)
2-Methylnaphthalene	-	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)	ND (1.8)
2-Methylphenol	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)	ND (1.8)
2-Nitroaniline	5	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)	ND (3.6)
2-Nitrophenol	-	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)	ND (3.6)
3,6,4-Methylphenol	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)	ND (1.8)
3,3'-Dichlorobenzidine	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)	ND (1.8)
3-Nitroaniline	5	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)	ND (3.6)
4,6-Dinitro-o-cresol	-	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)							

TABLE 3.1 - GROUNDWATER ANALYTICAL RESULTS
10 COMMERCE DRIVE RAIL YARD (C360192)
NEW ROCHELLE, NEW YORK

LOCATION	-4R	MW-4R	MW-5	MW-5	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D
SAMPLE ID	MW-4R 92022	MW-4R	MW-5	MW-5	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D
LAB SAMPLE ID	J052207-2	J057387-4	J041586-3	J046670-3	J041586-4	J046670-4	J057387-1	J062616-1	J068461-1	J073184-3	J077840-3	J082019-3	J082019-3
SAMPLING DATE	9/29/2022	12/15/2022	3/17/2022	6/14/2022	3/17/2022	6/14/2022	12/15/2022	3/24/2023	6/28/2023	9/28/2023	11/30/2023	2/7/2024	2/7/2024
SAMPLE TYPE	NY-AWQS	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
4-Chlorophenyl phenyl ether	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
4-Nitroaniline	5	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)
4-Nitrophenol	-	ND (9.8)	ND (10)	ND (10)	ND (9.7)	ND (11)	ND (10)	ND (11)	ND (10)	ND (10)	ND (9.9)	ND (10)	ND (7.1)
Acenaphthene	20	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Acenaphthylene	-	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Acetophenone	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Anthracene	50	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	0.26 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Atrazine	7.5	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Benzaldehyde	-	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)
Benzofluoranthene	0.002	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	0.25 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Benzofluoranthene	0	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	0.23 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Benzofluoranthene	0.002	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	0.24 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Benzofluoranthene	-	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Benzofluoranthene	0.002	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
bis(2-Chloroethoxy)methane	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
bis(2-Chloroethyl)ether	1	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
bis(2-Ethylhexyl)phthalate	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Butyl benzyl phthalate	50	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Caprolactam	-	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Carbazole	0.002	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Chrysene	0.002	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	0.22 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Di-n-butyl phthalate	50	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Di-n-octyl phthalate	50	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Dibenzofluoranthene	-	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Dibenzofuran	-	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)
Diallyl phthalate	50	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Dimethyl phthalate	50	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Fluoranthene	50	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	0.49 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Fluorene	50	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Hexachlorobenzene	0.04	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Hexachlorobutadiene	0.5	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Hexachlorocyclopentadiene	5	ND (9.8)	ND (10)	ND (10)	ND (9.7)	ND (11)	ND (10)	ND (11)	ND (10)	ND (10)	ND (9.9)	ND (10)	ND (7.1)
Hexachloroethane	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Indeno(1,2,3-cd)pyrene	0.002	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Isophorone	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
N-Nitroso-d-n-propylamine	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
N-Nitrosodiphenylamine	50	ND (4.9)	ND (5.1)	ND (5.0)	ND (4.9)	ND (5.6)	ND (5.0)	ND (5.3)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (3.6)
Naphthalene	10	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	ND (1.1)	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Nitrobenzene	0.4	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Pentachlorophenol	1	ND (3.9)	ND (4.0)	ND (4.0)	ND (3.9)	ND (4.4)	ND (4.0)	ND (4.3)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (3.6)
Phenanthrene	50	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	0.38 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Phenol	1	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.2)	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (1.8)
Pyrene	50	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.97)	ND (1.1)	ND (1.0)	0.54 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Total TIC, Semi-Volatile	-	0	0	16.3	0	0	0	17.4 J	0	-	15.4 J	9.8 J	3.3 J
SVOCs SIM (ug/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	1	ND (0.098)	ND (0.10)	ND (0.10)	ND (0.097)	ND (0.11)	ND (0.10)	ND (0.11)	-	-	ND (0.099)	ND (0.10)	ND (0.27)
Metals (ug/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	25	9	6.5	3.7	ND (3.0)	9.9	6.2	8	3.3	3.4	ND (3.0)	5.5	ND (3.0)
Chromium	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	100	ND (10)	11.5	ND (10)	ND (10)	ND (10)
Copper	200	ND (10)	ND (10)	ND (10)	ND (10)	17.2	10.9	238	14.6	16.7	ND (10)	32.4	20.2
Lead	25	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	4.6	ND (3.0)	84.5	ND (3.0)	5.7	11.5	ND (3.0)	5.3
Manganese	300	889	310	16.4	ND (15)	74.8	26.1	1770	92.8	116	275	115	193
Nickel	100	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	123	ND (10)	ND (10)	14.2	ND (10)	ND (10)

Notes:
NY-AWQS: New York TOGS 111 Ambient Water
Quality Standards criteria reflects all addendum to
criteria through June 2004.

Units = microgram per liter (ug/l)

U = Not Detected

J = Estimated

NS = Not Sampled

Exceeds NY AWQS

Figures

N:\ACAD\12379\CAD\12379.DWG.GROUNDWATER SAMPLE LOCATIONS & RESULTS.DWG 05/03/24 09:07:51AM, alan.ward, LAYOUT:FIG-3.1

ANALYTE	NY-AWQS
VOCs (ug/l)	
Acetone	50
Chloroform	7
SVOCs (ug/l)	
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Chrysene	0.002
Metals (ug/l)	
Antimony	3
Cadmium	5
Chromium	50
Copper	200
Lead	25
Manganese	300
Nickel	100

Notes:

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

Units = microgram per liter (ug/l)

U = Not Detected

J = Estimated

NS = Not Sampled

Exceeds NY AWQS

NOTES:

1. THIS PLAN IS FOR LOCATING MONITORING WELLS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

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REFERENCE

- BUILDING INFORMATION TAKEN FROM "OVERALL BUILDING PLAN - LEVEL 1" PREPARED BY HUMPHREY'S URBAN ARCHITECTURE, DATED SEPTEMBER 20, 2020.
- GROUNDWATER ELEVATIONS DERIVED FROM WELL SURVEY PERFORMED BY CONTRATORS LINE & GRADE AND SESI FIELD MEASUREMENTS (SEPTEMBER 23, 2021)

LOCATION	MW-2		
SAMPLE ID	MW-2	MW-2	MW-2 92022
SAMPLING DATE	3/17/2022	6/14/2022	9/20/2022
	Conc	Conc	Conc
Chloroform	32.3	48.5	30.5

LOCATION	MW 1D									
SAMPLE ID	MW-1D	MW-1D	MW-1D 092022	MW-1D	MW-1D	MW1D	MW-1D	MW 1D	MW 1D	MW 1D
SAMPLING DATE	3/17/2022	6/14/2022	9/20/2022	12/15/2022	3/24/2023	6/28/2023	9/20/2023	11/30/2023	2/7/2024	
	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
VOCs (ug/l)										
Chloroform	27.5	44.9	29.1	0.96 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	

LOCATION	MW-1		
SAMPLE ID	MW-1	MW-1	MW-1 092022
LAB SAMPLE ID	JD41586-2	JD46670-2	JD52207-6
SAMPLING DATE	3/17/2022	6/14/2022	9/20/2022
	Conc	Conc	Conc
VOCs (ug/l)			
Chloroform	20.2	35.9	25.2

LOCATION	MW-4R			
SAMPLE ID	MW-4R	MW-4R	MW-4R 92022	MW-4R
SAMPLING DATE	3/17/2022	6/14/2022	9/20/2022	12/15/2022
	Conc	Conc	Conc	Conc
Metals (ug/l)				
Manganese	1890	3100	889	310

LOCATION	MW-3D								
SAMPLE ID	MW-3D	MW-3D	MW-3D 92022	MW-3D	MW-3D	MW3D	MW-3D	MW 3D	MW 3D
SAMPLING DATE	3/17/2022	6/14/2022	9/20/2022	12/15/2022	3/24/2023	6/28/2023	9/20/2023	11/30/2023	2/7/2024
	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
VOCs (ug/l)									
Acetone	1480	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform	25	43	28	1.8	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Metals (ug/l)									
Manganese	ND (15)	ND (15)	ND (15)	236	519	636	874	1090	803

LOCATION	MW 5D							
SAMPLE ID	MW-5D	MW-5D	MW-5D	MW-5D	MW5D	MW-5D	MW 5D	MW 5D
SAMPLING DATE	3/17/2022	6/14/2022	12/15/2022	3/24/2023	6/28/2023	9/20/2023	11/30/2023	2/7/2024
	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
VOCs (ug/l)								
Chloroform	33.2	46.4	3.8	6.3	3.7	2.5	ND (1.0)	1.1
SVOCs (ug/l)								
Benzo(a)anthracene	ND (1.1)	ND (1.0)	0.25 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Benzo(a)pyrene	ND (1.1)	ND (1.0)	0.23 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Benzo(b)fluoranthene	ND (1.1)	ND (1.0)	0.24 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Chrysene	ND (1.1)	ND (1.0)	0.22 J	ND (1.0)	ND (1.0)	ND (0.99)	ND (1.0)	ND (0.89)
Metals (ug/l)								
Antimony	-	ND (6.0)	17.7	-	-	-	-	-
Cadmium	-	ND (3.0)	7.3	-	-	-	-	-
Chromium	ND (10)	ND (10)	100	ND (10)	ND (10)	11.5	ND (10)	ND (10)
Copper	17.2	10.9	238	14.6	16.7	32.4	ND (10)	20.2
Lead	4.6	ND (3.0)	84.5	ND (3.0)	5.7	11.5	ND (3.0)	5.3
Manganese	74.8	26.1	1770	92.8	116	275	115	193
Nickel	ND (10)	ND (10)	123	ND (10)	ND (10)	14.2	ND (10)	ND (10)

LOCATION	MW-5	
SAMPLE ID	MW-5	MW-5
SAMPLING DATE	3/17/2022	6/14/2022
	Conc	Conc
VOCs (ug/l)		
Chloroform	28.6	45.1

LEGEND:

⊕ MW-4 - MONITORING WELL LOCATION

--- SITE PROPERTY BOUNDARY

SCALE: 1"=40'

0 40 80

project:

10 COMMERCE DRIVE
NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

title:

GROUNDWATER SAMPLE LOCATIONS
& RESULTS

job no: 12379
drawing no:

FIG-3.1

dwg by: AW
chk by: CCM
scale: AS NOTED
date: 02/26/2024

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ENGINEERS

GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 route 46e, 3rd floor, parsippany, nj 07054 ph: 973.808.9050

Appendix A:

NYSDEC Letter



Transmitted via Email Only

March 18, 2025

Zach Schwanbeck
BRP 10 Commerce LLC
100 Park Avenue, 36th Floor
New York, New York 10017
zschwanbeck@brpcompanies.com

Fuad Duhan, PE
SESI Consulting Engineers
959 Route 46E Floor 3, Suite 300
Parsippany, NJ 07054
fd@sesi.org

**RE: 2025 Groundwater Sampling & Extinguishment of Environmental
Easement & Achievement of Track 1 Remedy
10 Commerce Drive Rail Yard
10 Commerce Drive
New Rochelle, New York 14614
Site No. C360192**

Dear Zach Schwanbeck and Fuad Duhan,

The New York State Department of Environmental Conservation (the Department), in consultation with the New York State Department of Health (NYSDOH), reviewed the May 16, 2024 Periodic Review Report for BRP 10 Commerce LLC (volunteer) covering the period of March 2022 to February 2024, prepared by SESI Consulting Engineers, and determined no further groundwater monitoring is required. The Department has proceeded with the extinguishment of the Environmental Easement (EE). A letter dated February 10, 2025 was sent by our Office of General Counsel (OGC) to begin processing the extinguishment of the EE. Please follow the instructions provided in the letter and reach out to Cheryl Salem or Michael Murphy for more information.

Based on the findings presented in the 2024 PRR, including the three years of groundwater monitoring data and one year of soil vapor data for the site, the Department has determined the site that is currently a Conditional Track 1, as detailed in the December 23, 2021 Certificate of Completion (COC), has achieved the groundwater and soil vapor objectives, thereby meeting the conditions of an Unrestricted Use Track 1 remedy within the required 5-year timeframe.

The Department has prepared a release of the EE and forwarded it to your attorney for recording with the City Register. The SMP will remain in-place until the EE is officially extinguished but one last site inspection is required for the site cover and the passive sub-slab depressurization system.

If you have any technical questions or need to discuss the SMP further, please contact me at (518) 402-9605 or e-mail: matthew.hubicki@dec.ny.gov .

Sincerely,

A handwritten signature in dark ink, appearing to read "Matt Hubicki", written over a light blue horizontal line.

Matthew Hubicki
Project Manager
Division of Environmental Remediation

ec: Linda Shaw, Esq, Knauf Shaw LLP (lshaw@nyenvlaw.com)
Melissa Doroski, NYSDOH (melissa.doroski@health.ny.gov)
Shaun Surani, NYSDOH (shaun.surani@health.ny.gov)
Steven McCague NYSDEC Region 3 (steven.mccgaue@dec.ny.gov)
Michael Murphy, OGC (michael.murphy1@dec.ny.gov)
Cheryl Salem, OGC (cheryl.salem@dec.ny.gov)
Ashley Johnson, OGC (ashley.johnson@dec.ny.gov)
Sarah Saucier, NYSDEC (sarah.saucier@dec.ny.gov)
Kerry Maloney, NYSDEC (kerry.maloney@dec.ny.gov)
File/DecDocs

Appendix B:

Site Management Plan (SMP) Figures

N:\ACAD\10658\CAD\10658 SITE LOCATION PLAN.DWG 06/14/19 12:57:13PM, jenny, LAYOUT: LETTER-USGS



REFERENCE:
INFORMATION TAKEN FROM MOUNT VERNON, HISTORICAL TOPO MAP, 2013
7.5 MINUTE SERIES



		FIG-1.1	
10 COMMERCE STREET NEW ROCHELLE, N.Y.	SESI CONSULTING ENGINEERS D.P.C. 12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050	SOILS / FOUNDATIONS	DRAWN BY: RDM
		SITE DESIGN	CHECKED BY: TK
		ENVIRONMENTAL	SCALE: AS NOTED
SITE LOCATION MAP			DATE: 4/11/19
			JOB NO.: 10658



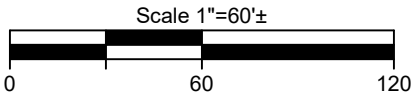
N:\ACAD\10790\CAD\10790 - FIG-1.2 - SITE PLAN.DWG 10/20/21 03:19:33PM, yelena.zolotova, LAYOUT: FIG-1.2

NOTE:
THIS PLAN IS FOR LOCATING BORINGS ONLY.
OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE
1. MAPPING TAKEN FROM GOOGLE MAPS, DATED 3/18/2019.

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- LEGEND:**
- SITE PROPERTY BOUNDARY
 - BCP SITE / INSTITUTIONAL CONTROL BOUNDARY



dwg by: RDM chk by: TK scale: AS NOTED date: 10/20/2021	
SOILS / FOUNDATIONS SITE DESIGN ENVIRONMENTAL	
SESI CONSULTING ENGINEERS D.P.C. 12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050	
project: 10 COMMERCE STREET NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.	drawing title: SITE PLAN
job no: 10790 drawing no:	
FIG-1.2	

N:\ACAD\10790\CAD\10790 GW CONTOUR MAP 2021-10-05.DWG 10/07/21 02:23:20PM, yelena.zolotova, LAYOUT:FIG-4

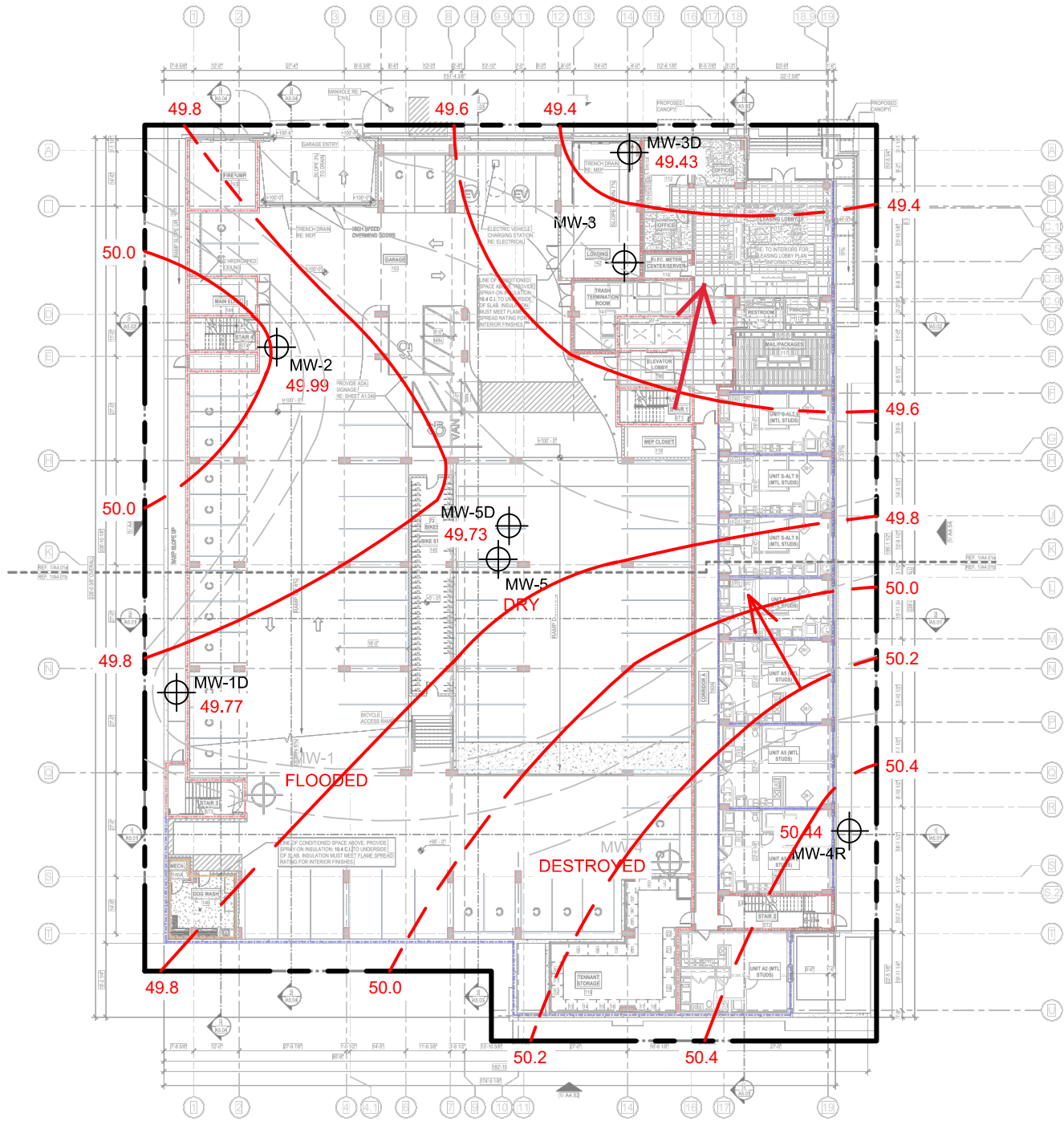
NOTES:

- THIS PLAN IS FOR LOCATING MONITORING WELLS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
- CONTOUR INTERVAL = 0.2 FEET

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REFERENCE

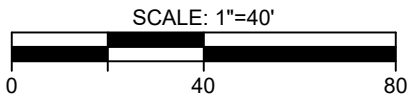
- BUILDING INFORMATION TAKEN FROM "OVERALL BUILDING PLAN - LEVEL 1" PREPARED BY HUMPHREY'S URBAN ARCHITECTURE, DATED SEPTEMBER 20, 2020.
- GROUNDWATER ELEVATIONS DERIVED FROM WELL SURVEY PERFORMED BY CONTRATORS LINE & GRADE AND SESI FIELD MEASUREMENTS (SEPTEMBER 23, 2021)



LEGEND:

- MW-4 45.25' - MONITORING WELL LOCATION AND DESIGNATION WITH GROUNDWATER ELEVATION IN FT AMSL
- SITE PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR IN FT AMSL (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION

	ELEV.	DTW	GWE
MW-1D	54.27	4.50	49.77
MW-2	54.10	4.11	49.99
MW-3D	52.08	2.65	49.43
MW-4R	53.09	2.65	50.44
MW-5D	52.85	3.12	49.73



project:
10 COMMERCE DRIVE
NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

job no: 10790
drawing no:

FIG-2.1

SESI
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SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

drawing title:
GROUNDWATER CONTOUR MAP

dwg by: aas
chk by: TK
scale: AS NOTED
date: 10/07/2021

12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

N:\ACAD\10790\CAD\10790 PROPOSED SOIL VAPOR & MONITORING WELL PLAN 2021-10-05.DWG 10/05/21 04:18:57PM, yelena.zolotova, LAYOUT.FIG-3

Client Sample ID:	NY TOGS Class	MW-2	MW-2
Date Sampled:	GA GW Standards	6/23/2021	9/23/2021
Chloroform	7	44.4	55
Iron	300	8030	449
Sodium	20000	31800	29500

Client Sample ID:	NY TOGS Class	MW-5
Date Sampled:	GA GW Standards	7/1/2021
Phenol	1	1.7 J
Benzo(a)pyrene	ND	0.74 J
Iron	300	3300
Sodium	20000	26100

Sample ID:	NY TOGS Class	MW-1D
Date Sampled:	GA GW Standards	9/23/2021
Chloroform	7	45
Aluminum	2000	4970
Iron	300	5410
Sodium	20000	53400

Client Sample ID:	NY TOGS Class	MW-1
Date Sampled:	GA GW Standards	6/23/2021
Chloroform	7	35.2
Xylene (total)	5	5.9
Arsenic	25	66
Iron	300	15300
Sodium	20000	113000

Sample ID:	NY TOGS Class	MW-3D
Date Sampled:	GA GW Standards	9/23/2021
Chloroform	7	52
Sodium	20000	27100

Client Sample ID:	NY TOGS Class	MW-3
Date Sampled:	GA GW Standards	6/23/2021
Chloroform	7	33.3
Iron	300	4490

Sample ID:	NY TOGS Class	MW-5D
Date Sampled:	GA GW Standards	9/23/2021
Chloroform	7	34
Benzo(a)anthracene	0.002	0.07
Benzo(a)pyrene	0.002	0.02
Benzo(b)fluoranthene	0.002	0.04
Benzo(k)fluoranthene	0.002	0.01
Chrysene	0.002	0.06
Indeno(1,2,3-cd)pyrene	0.002	0.02
Aluminum	2000	5170
Arsenic	25	71.16
Iron	300	12000
Sodium	20000	81900

Client Sample ID:	NY TOGS Class	MW-4
Date Sampled:	GA GW Standards	7/1/2021
Phenol	1	10.9
Benzo(a)pyrene	ND	0.39 J
alpha-BHC	0.01	0.016
Chromium	50	344
Copper	200	299
Iron	300	157000
Lead	25	213
Manganese	300	4050
Nickel	100	291
Sodium	20000	474000

Sample ID:	NY TOGS Class	MW-4R
Date Sampled:	GA GW Standards	9/23/2021
Chloroform	7	10
Chlordane	0.05	0.292
Iron	300	1060
Sodium	20000	183000

NOTES:

- THIS PLAN IS FOR LOCATING MONITORING WELLS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
- ALL CONCENTRATIONS ARE IN ug/l (PARTS PER BILLION).
- NYSDEC TECHNICAL OPERATIONAL GUIDANCE SERIES (TOGS) CLASS GA GROUNDWATER STANDARDS (2004).

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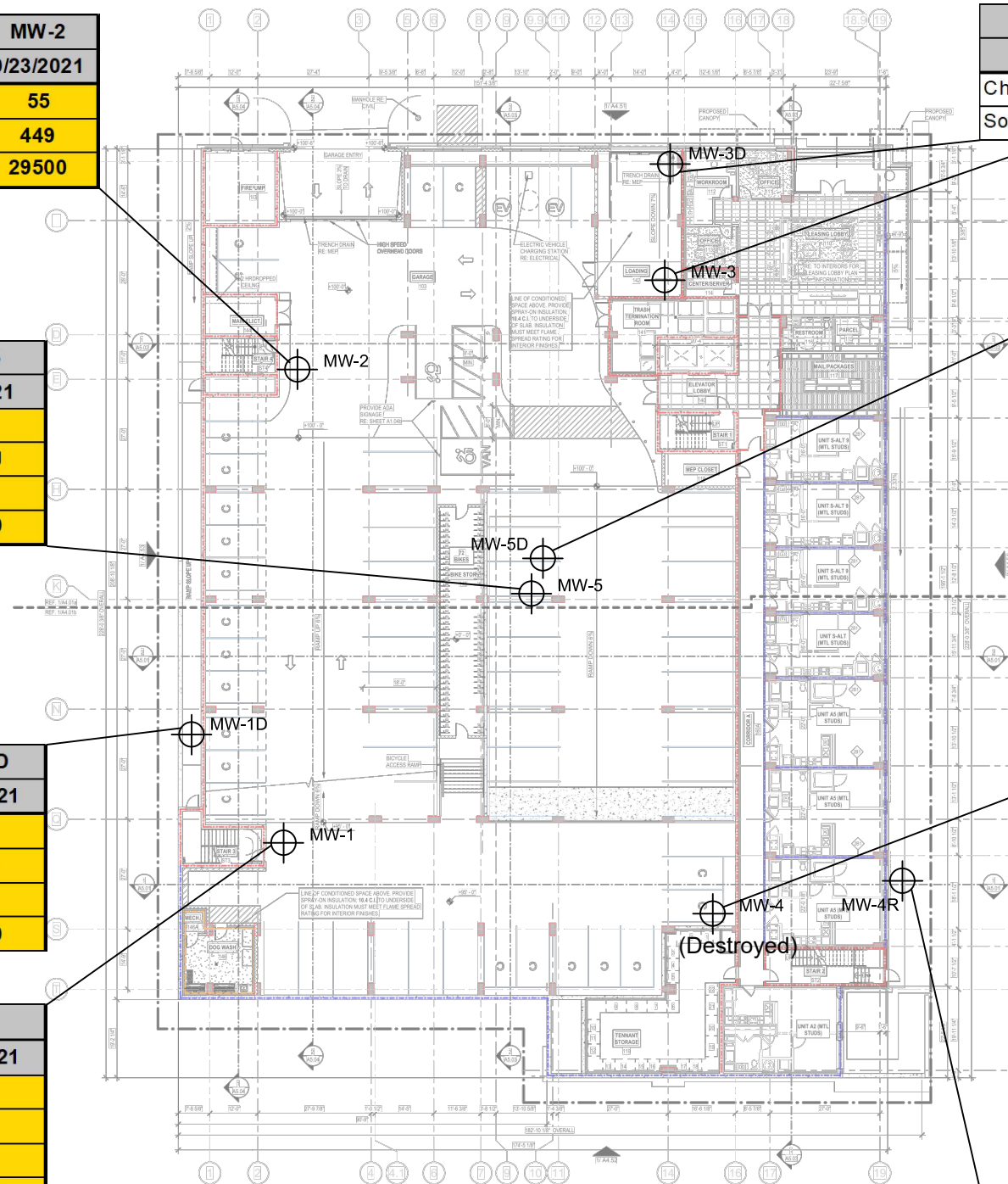
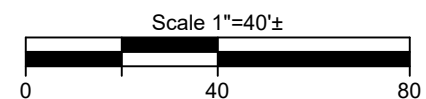
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LEGEND:

- ⊕ MW-4 - MONITORING WELL LOCATION AND DESIGNATION
- - - - - SITE PROPERTY BOUNDARY



dwg by: aas
chk by: TK
scale: AS NOTED
date: 10/05/2021

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
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12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project:
10 COMMERCE STREET
NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

drawing title:
GROUNDWATER SAMPLING RESULTS
PLAN

job no: 10790
drawing no:

FIG-2.2

N:\ACAD\10790\CAD\10790 VAPOR SAMPLE LOCATION & RESULTS PLAN.DWG 09/02/21 01:29:08PM, aas, LAYOUT:FIG-5

Client Sample ID:	SV-3
Date Sampled:	7/2/2021
Acetone	22
1,3-Butadiene	0.62
Benzene	3.5
Chloroform	0.35 J
Chloromethane	1.2
Cyclohexane	4.1
Dichlorodifluoromethane	2
Ethanol	38.8
Ethylbenzene	3
Ethyl Acetate	2.6
4-Ethyltoluene	5.9
Heptane	4.1
Hexane	9.2
Isopropyl Alcohol	4.4
Methylene chloride	0.9
Methyl ethyl ketone	3.2
Propylene	4.1
Styrene	0.43 J
1,2,4-Trimethylbenzene	6.9
1,3,5-Trimethylbenzene	1.9
2,2,4-Trimethylpentane	9.8
Tertiary Butyl Alcohol	2.1
Tetrachloroethylene	0.57
Tetrahydrofuran	2.9
Toluene	15
Trichlorofluoromethane	1.0 J
m,p-Xylene	11
o-Xylene	4.2
Xylenes (total)	16

Client Sample ID:	SV-1
Date Sampled:	7/2/2021
Acetone	31.8
1,3-Butadiene	56.4
Benzene	40.3
Bromodichloromethane	109
Carbon disulfide	13
Chloroform	2250
Cyclohexane	317
Ethanol	1730 E
Ethylbenzene	44.7
Heptane	16 J
Isopropyl Alcohol	15
Tertiary Butyl Alcohol	21
Toluene	36
m,p-Xylene	116
o-Xylene	42
Xylenes (total)	157

Client Sample ID:	SV-2
Date Sampled:	7/2/2021
Acetone	22
1,3-Butadiene	12
Benzene	25
Carbon disulfide	1.2
Chloroform	8.3
Chloromethane	1.2
Carbon tetrachloride	0.34 J
Cyclohexane	7.9
Dichlorodifluoromethane	1.9
cis-1,2-Dichloroethylene	0.38 J
Ethanol	19
Ethylbenzene	8.3
Ethyl Acetate	11
4-Ethyltoluene	7.9
Heptane	6.1
Hexane	15
Isopropyl Alcohol	5.2
Methylene chloride	0.83
Methyl ethyl ketone	4.1
Propylene	24.2
Styrene	5.1
1,2,4-Trimethylbenzene	8.8
1,3,5-Trimethylbenzene	2.5
2,2,4-Trimethylpentane	19
Tetrachloroethylene	0.66
Tetrahydrofuran	4.7
Toluene	23
Trichlorofluoromethane	1.0 J
m,p-Xylene	30
o-Xylene	11
Xylenes (total)	41

Client Sample ID:	SV-7
Date Sampled:	7/2/2021
Acetone	43.5
Bromodichloromethane	103
Chloroethane	6.1 J
Chloroform	3020
Ethanol	1580 E
Ethylbenzene	76
Ethyl Acetate	14 J
Isopropyl Alcohol	12
Propylene	278
Tertiary Butyl Alcohol	24
Trichloroethylene	6.4
m,p-Xylene	228
o-Xylene	64.3
Xylenes (total)	292

Client Sample ID:	SV-5
Date Sampled:	7/2/2021
Acetone	706
Benzene	8.3 J
Carbon disulfide	34.3
Chloroform	59.1
Cyclohexane	321
Ethanol	18800 E
Ethylbenzene	16 J
Heptane	18
Isopropyl Alcohol	38.3
Methyl ethyl ketone	34.5
Propylene	253
Tertiary Butyl Alcohol	181
Tetrachloroethylene	47
Tetrahydrofuran	6780
Toluene	27
m,p-Xylene	43
o-Xylene	19
Xylenes (total)	62.1

Client Sample ID:	SV-6
Date Sampled:	7/2/2021
Acetone	75.8
Benzene	6.7
Carbon disulfide	27
Chloroform	72.3
Carbon tetrachloride	7.5
Cyclohexane	434
Dichlorodifluoromethane	2.0 J
Ethanol	3580 E
Ethylbenzene	59.9
Heptane	20
Hexane	52.5
Isopropyl Alcohol	14
Methyl ethyl ketone	5
Propylene	81.6
Styrene	3.5
1,2,4-Trimethylbenzene	2.8 J
2,2,4-Trimethylpentane	286
Tertiary Butyl Alcohol	25
Tetrachloroethylene	585
Tetrahydrofuran	69.3
Toluene	38.1
m,p-Xylene	80.4
o-Xylene	26
Xylenes (total)	107

Client Sample ID:	SV-8
Date Sampled:	7/2/2021
Acetone	29.9
1,3-Butadiene	1.3
Benzene	6.1
Chloroform	0.68 J
Chloromethane	1.1
Cyclohexane	8.9
Dichlorodifluoromethane	1.9
Ethanol	38.1
Ethylbenzene	6.5
4-Ethyltoluene	9.8
Heptane	8.6
Hexane	18
Isopropyl Alcohol	4.2
Methylene chloride	1.1
Methyl ethyl ketone	11
Propylene	8.6
Styrene	0.51 J
1,2,4-Trimethylbenzene	13
1,3,5-Trimethylbenzene	3.3
2,2,4-Trimethylpentane	20
Tetrachloroethylene	0.61
Tetrahydrofuran	7.4
Toluene	27
Trichlorofluoromethane	1.1 J
m,p-Xylene	23
o-Xylene	9.6
Xylenes (total)	33

LEGEND:

- SV-1 - SUB-SLAB VAPOR SAMPLE POINT AND DESIGNATION
- SITE PROPERTY BOUNDARY
- 19 - CONSTITUENT DETECTED IN SAMPLE

NOTES:

THIS PLAN IS FOR LOCATING SUB-SLAB VAPOR POINTS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE

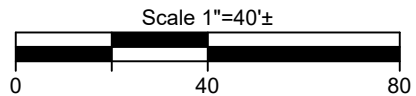
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project:

10 COMMERCE STREET
NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

drawing title:

SUB-SLAB VAPOR RESULTS
PLAN

job no: 10790
drawing no:

FIG-2.3

SOILS / FOUNDATIONS

SITE DESIGN

ENVIRONMENTAL

SESI
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12A MAPLE AVE., PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: aas

chk by: TK

scale: AS NOTED

date: 09/02/2021

N:\ACAD\10790\CAD\10790 - FIG-4.1 - MONITORING WELL LOCATION PLAN.DWG 12/20/21 10:27:57AM, rdm, LAYOUT: FIG-4.1

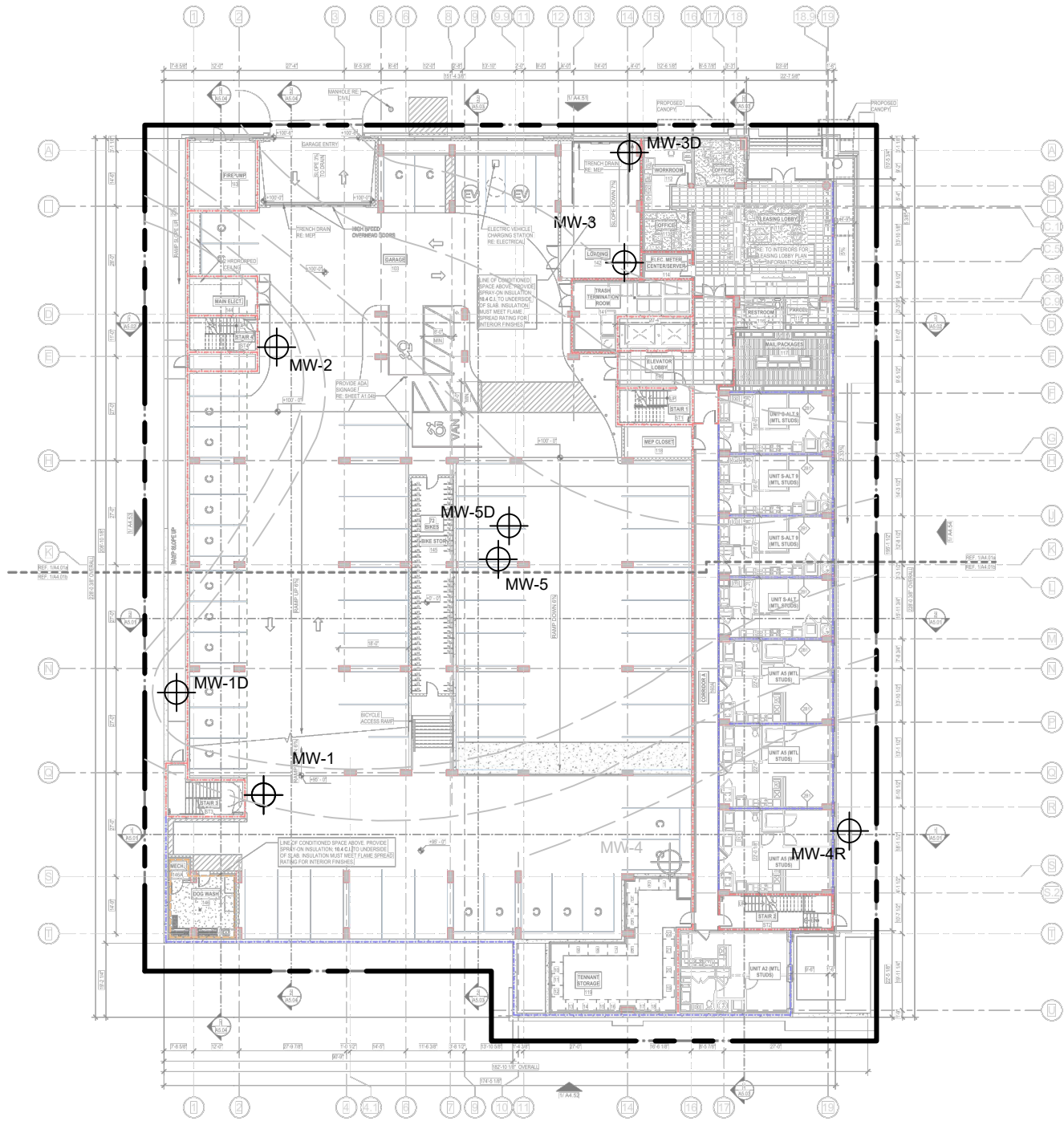
NOTES:

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REFERENCE

1. BUILDING INFORMATION TAKEN FROM "OVERALL BUILDING PLAN - LEVEL 1" PREPARED BY HUMPHREY'S URBAN ARCHITECTURE, DATED SEPTEMBER 20, 2020.
2. GROUNDWATER ELEVATIONS DERIVED FROM WELL SURVEY PERFORMED BY CONTRATORS LINE & GRADE AND SESI FIELD MEASUREMENTS (SEPTEMBER 23, 2021)

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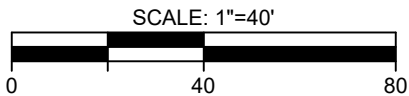
LEGEND:



- MONITORING WELL LOCATION AND DESIGNATION WITH GROUNDWATER ELEVATION IN FT AMSL



- SITE PROPERTY BOUNDARY



project:
10 COMMERCE DRIVE
NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

drawing title:
MONITORING WELL LOCATION PLAN

job no: 10790
drawing no:

FIG-4.1

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SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: aas

chk by: TK

scale: AS NOTED

date: 11/30/2021

NOTES:

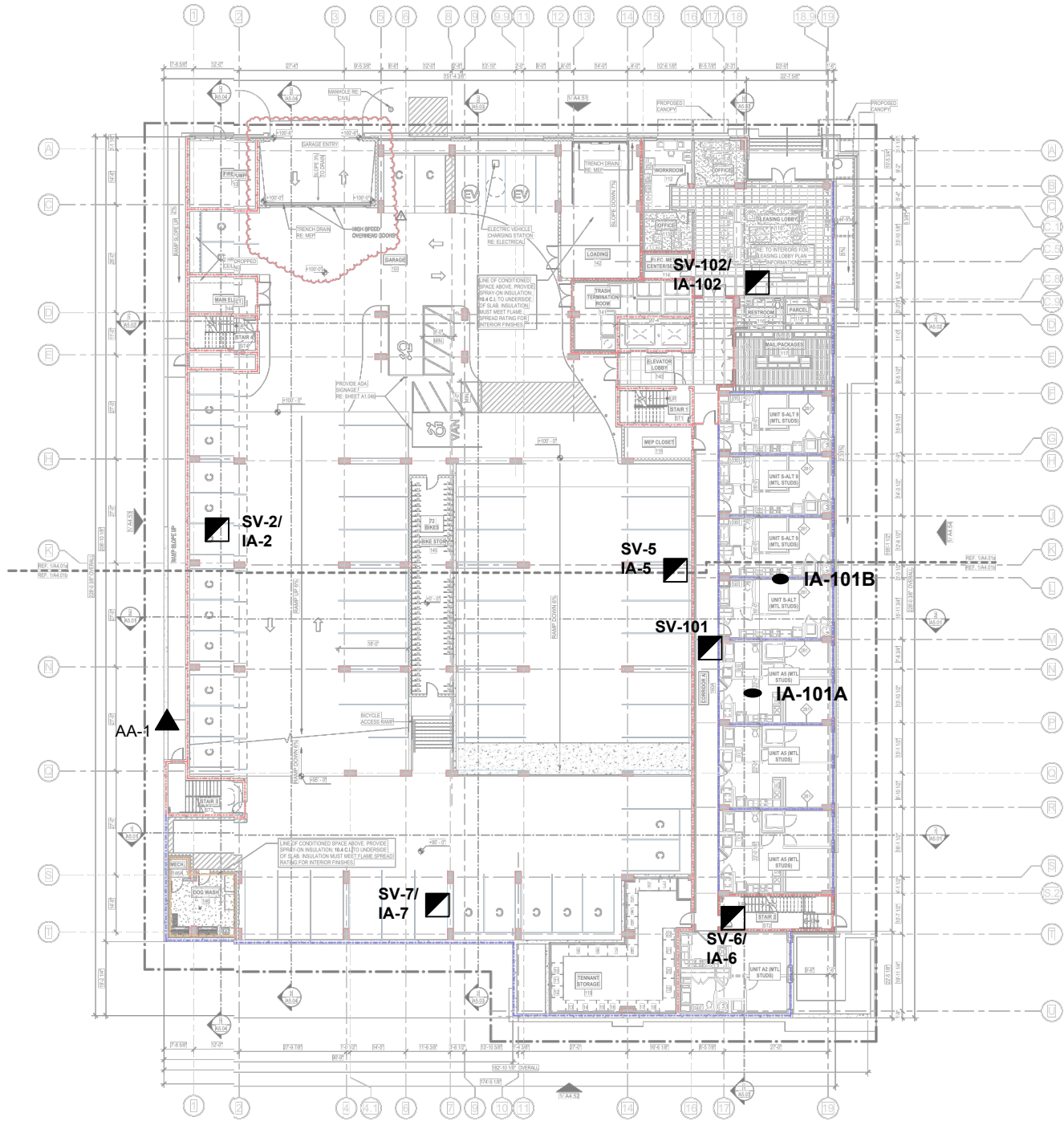
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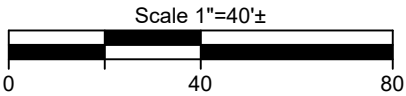
REFERENCE

1. BUILDING INFORMATION TAKEN FROM "OVERALL BUILDING PLAN - LEVEL 1" PREPARED BY HUMPHREY'S URBAN ARCHITECTURE, DATED SEPTEMBER 20, 2020.



LEGEND:

- SV-1 - PROPOSED SUB-SLAB VAPOR/INDOOR AIR SAMPLE LOCATION
- SITE PROPERTY BOUNDARY
- AA-1 - PROPOSED AMBIENT AIR SAMPLE LOCATION
- IA-1 - PROPOSED INDOOR AIR SAMPLE LOCATION



project:
10 COMMERCE STREET
NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

drawing title:
SOIL VAPOR EVALUATION PLAN

job no: 10790
drawing no:

FIG-4.2

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

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12A MAPLE AVE., PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: aas
chk by: TK
scale: AS NOTED
date: 12/13/2021

Appendix C:

Well Sampling Logs

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:		10 Commerce		Job Number:		12379		WELL I.D. : 1D	
Personnel:		Tracey Jodexnis		Date:		6.28.23			
				PID:		0			
Stickup? N	Distance From Rim to PVC	Total Depth of Well PVC	Depth to Product Rim/PVC	Depth to Water (PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
Distance ground to Stickup Rim/PVC									
-	3"	14.2'	-	8.2'	6'	11.2'	11.25'	-	Peri
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
0	12:30	17.87	7.31	3.58	0.00	152	103	8.2	N
	12:35	17.54	7.27	3.53	0.00	154	58.4	8.2	N
	12:40	17.51	7.32	3.43	0.14	153	42.7	8.2	N
1	12:45	17.52	7.33	3.40	0.16	153	12.5	8.2	N
	12:50	17.52	7.34	3.39	0.12	152	10.8	8.2	N
Well Condition Summary									
Cover: concrete core, no manhole cover		Bolts: N		Concrete Pad OK: Y		Gripper: N - Foam board under concrete core			
Sample Time:	12:55	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		
Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.									
Notes/ Calculations: Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.									
ABSORBENT SOCK									
Sock Length (ft) =	Capacity (Qt.) =			Present:	Y / N	Product Measured (Inches) :			
Sock Installation Date:			Sock Changed :			Y / N			
Sock Depth (Depth to sock mid point):									

[illegible]

Location: 10 Commerce		Job Number: 12379		WELL I.D. : 5D					
Personnel: Tracey Jodexnis		Date: 6.28.23							
		PID: 0							
Stickup? N	Distance From Rim to PVC	Total Depth of Well PVC	Depth to Product Rim/PVC	Depth to Water (PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
Distance ground to Stickup Rim/PVC									
-	2"	11'	-	7.25	3.75'	9.125'	9.5'	-	Peri
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
0	10:00	19.64	7.82	1.19	0.05	140	1000	7.7	N
	10:05	18.70	8.16	1.20	0.00	119	924	8.5	N
	10:10	18.50	8.26	1.07	0.38	109	687	9	N
	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N
	10:40	18.27	8.49	0.99	8.27	98	312	9	N
	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N
	12:00	17.08	8.66	1.18	1.40	113	582	9	N
Well Condition Summary									
Cover: Y		Bolts: Y		Concrete Pad OK: Y		Gripper: Y			
Sample Collection Information									
Sample Time:	13:15	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		
Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.									
Notes/ Calculations:									
Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.									
ABSORBENT SOCK									
Sock Length (ft) =		Capacity (Qt.) =		Present:		Y / N		Product Measured (Inches) :	
Sock Installation Date:				Sock Changed :		Y / N			
Sock Depth (Depth to sock mid point):									

LOW-FLOW GROUNDWATER SAMPLING LOG

[illegible]

[illegible]

Location: 10 Commerce Drive		Job Number: 12379		WELL I.D. : MW-3D					
Personnel: Shannon Grogan		Date: 9/20/2023							
PID:	0								
Stickup? N	Distance From Rim to PVC (feet)	Total Depth of Well Rim (feet)	Depth to Product Rim/PVC	Depth to Water (Rim) (feet)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
NA	0.15	16.3	NA	6.25	10.05	11.3	13	NA	Peristaltic
Turbidity at collection (NTU):		7.7	(Less than 5 NTU is desirable)		Duplicate Collected? Y			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	13:00	18.58	7.88	381	0.71	36.6	52.8	6.25	N
	13:05	18.43	7.94	350	0.27	22.4	43.4	6.25	N
	13:10	18.27	7.91	327	0.23	21.6	29.1	6.25	N
	13:15	18.31	7.90	305	0.27	23.7	15.4	6.25	N
	13:20	18.28	7.87	300	0.15	23.5	10.9	6.25	N
	13:25	18.26	7.84	297	0.19	24.2	7.7	6.25	N
Well Condition Summary									
Cover: Y	Bolts: Y		Concrete Pad OK: Y			Gripper: N			
Sample Collection Information									
Sample Time:	13:25	Appearance: Clear	Filtered Sample Turbidity:				OTHER:		
Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Notes/ Calculations: Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.									
ABSORBENT SOCK									
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :			
Sock Installation Date:			Sock Changed :			Y / N			
Sock Depth (Depth to sock mid point):									

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:		10 Commerce, New Rochelle, NY			Job Number:		12379		WELL I.D. : MW-5D	
Personnel:		TAJ			Date:		11/30/2023			
					PID:		0.0 PPM			
Stickup? N		Distance From Rim to PVC	Total Depth of Well PVC	Depth to Product Rim/PVC	Depth to Water (PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
Distance ground to Stickup Rim/PVC										
-		0.3'	11'	-	6.9'	4.1'	8.95'	9'	-	Peri
Turbidity at collection (NTU):			8.5	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample N	
Stabilization Parameters			+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)		Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
FR = 200 mL/min		10:05	17.77	7.93	1.63	0.01	154	172.0	7.50	N
Dropped to 150 mL/min to slow drawdown		10:10	17.91	7.97	1.62	0.00	144	176.0	7.85	N
		10:15	17.94	7.97	1.62	0.00	140	62.1	8.10	N
		10:20	17.97	7.98	1.62	0.00	139	8.5	8.50	N
Well Condition Summary										
Cover: Y			Bolts: Y(1 of 2)		Concrete Pad OK: Y			Gripper: N		
Sample Collection Information										
Sample Time:		10:25	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		
Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. stabilization.										
Notes/ Calculations: Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.										
ABSORBENT SOCK										
Sock Length (ft) =		Capacity (Qt.) =			Present:		Y / N		Product Measured (Inches) :	
Sock Installation Date:					Sock Changed :		Y / N			
Sock Depth (Depth to sock mid point):										

[illegible]

Location:		10 Commerce, New Rochelle, NY		Job Number:		12379		WELL I.D. : MW-1D	
Personnel:		TAJ		Date:		11/30/2023			
				PID:		0.0 PPM			
Stickup? N	Distance From Rim to PVC	Total Depth of Well PVC	Depth to Product Rim/PVC	Depth to Water (PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
Distance ground to Stickup Rim/PVC									
-	0.25'	14.2'	-	7.8'	6.4'	11	11	-	Peri
Turbidity at collection (NTU):		39.5	(Less than 5 NTU is desirable)		Duplicate Collected? Y			Filtered Sample N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
FR = 175 mL/min	11:30	16.43	7.62	2.95	3.46	183	83.5	7.8	N
	11:35	16.49	7.32	2.91	0.00	191	51.9	7.8	N
	11:40	16.29	7.32	2.67	0.00	192	41.7	7.8	N
	11:45	16.35	7.32	2.62	0.00	193	41.1	7.8	N
	11:50	16.26	7.32	2.60	0.00	195	39.6	7.8	N
	11:55	16.29	7.32	2.59	0.00	195	39.5	7.8	N
Well Condition Summary									
Cover: Y	Bolts: N		Concrete Pad OK: Y	Gripper: N *Cover is concrete core in sidewalk, no manhole cover. Styrofoam underneath for padding, no gripper					
Sample Collection Information									
Sample Time:	12:00	Appearance: Clear	Filtered Sample Turbidity:	OTHER:					
Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal.									
Notes/ Calculations: Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.									
ABSORBENT SOCK									
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :			
Sock Installation Date:			Sock Changed :		Y / N				
Sock Depth (Depth to sock mid point):									

LOW-FLOW GROUNDWATER SAMPLING LOG

[illegible]

LOW-FLOW GROUNDWATER SAMPLING LOG

Location: 10 Commerce Drive		Job Number: 12379		WELL I.D. : MW-1D					
Personnel: TAJ		Date: 2024.02.07							
		PID: 0							
Stickup? N	Distance From Rim to PVC (feet)	Total Depth of Well Rim (feet)	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
Distance ground to Stickup Rim/PVC									
NA	0.25	14.3	NA	7.85	6.45	11.075	11'	-	Peristaltic
Turbidity at collection (NTU):		1.2	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
FR = 200 mL/min	13:20	14.28	7.24	2.99	0.00	142	9.5	NA	N
	13:25	14.22	7.24	2.62	0.00	149	3.7	NA	N
	13:30	14.16	7.25	2.62	0.00	152	1.9	NA	N
	13:35	14.18	7.25	2.61	0.00	154	1.2	NA	N
Well Condition Summary									
Cover: N		Bolts: N		Concrete Pad OK: Y		Gripper: N			
Sample Collection Information									
Sample Time:	13:40	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		
Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.									
Notes/ Calculations: Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.									
ABSORBENT SOCK									
Sock Length (ft) =		Capacity (Qt.) =		Present:		Y / N		Product Measured (Inches) :	
Sock Installation Date:				Sock Changed :		Y / N			
Sock Depth (Depth to sock mid point):									

LOW-FLOW GROUNDWATER SAMPLING LOG

Location: 10 Commerce Drive		Job Number: 12379		WELL I.D. : MW-5D					
Personnel: TAJ		Date: 2024.02.07							
		PID: 0							
Stickup? N	Distance From Rim to PVC (feet)	Total Depth of Well Rim (feet)	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
Distance ground to Stickup Rim/PVC									
NA	0.25	16	NA	5.8	10.2	10.9	11	-	Peristaltic
Turbidity at collection (NTU):		1	(Less than 5 NTU is desirable)		Duplicate Collected? Y			Filtered Sample N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
FR = 200 mL/min	12:25	15.08	7.44	2.84	0.00	120	5.2	NA	N
	12:30	15.24	7.42	2.85	0.00	118	1.9	NA	N
	12:35	15.31	7.40	2.86	0.00	116	1.1	NA	N
	12:40	15.47	7.40	2.85	0.00	115	1	NA	N
Well Condition Summary									
Cover: Y		Bolts: Y		Concrete Pad OK: Y		Gripper: N			
Sample Collection Information									
Sample Time:	12:45	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		
Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.									
Notes/ Calculations: Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.									
ABSORBENT SOCK									
Sock Length (ft) =		Capacity (Qt.) =		Present:		Y / N		Product Measured (Inches) :	
Sock Installation Date:				Sock Changed :		Y / N			
Sock Depth (Depth to sock mid point):									

Appendix D:

Laboratory Analytical Data

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

10 Commerce Drive, New Rochelle, NY

123791

SGS Job Number: JD68461

Sampling Date: 06/28/23

Report to:

jam@sesi.org

ATTN: Distribution4

Total number of pages in report: 36



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

Sample Summary

SESI Consulting Engineers

Job No: JD68461

10 Commerce Drive, New Rochelle, NY
Project No: 123791

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
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This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JD68461-1	06/28/23	13:15	AJ	06/28/23	AQ	Ground Water	MW5D
JD68461-2	06/28/23	11:35	AJ	06/28/23	AQ	Ground Water	MW3D
JD68461-3	06/28/23	12:55	AJ	06/28/23	AQ	Ground Water	MW1D
JD68461-4	06/28/23	13:40	AJ	06/28/23	AQ	Field Blank Water	FB20230628
JD68461-5	06/28/23	13:40	AJ	06/28/23	AQ	Trip Blank Water	TB20230628
JD68461-6	06/28/23	00:00	AJ	06/28/23	AQ	Ground Water	DUP20230628

Report of Analysis

Page 1 of 2

Client Sample ID:	MW5D	
Lab Sample ID:	JD68461-1	Date Sampled: 06/28/23
Matrix:	AQ - Ground Water	Date Received: 06/28/23
Method:	SW846 8260D	Percent Solids: n/a
Project:	10 Commerce Drive, New Rochelle, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K08318.D	1	06/30/23 14:45	NW	n/a	n/a	V2K244
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride ^a	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	3.7	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW5D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-1	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW5D		
Lab Sample ID:	JD68461-1	Date Sampled:	06/28/23
Matrix:	AQ - Ground Water	Date Received:	06/28/23
Method:	SW846 8270E SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F214986.D	1	07/05/23 14:48	JY	06/30/23 10:00	OP47510	EF9506
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol ^a	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW5D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-1	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene ^a	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate ^a	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline ^a	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline ^a	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline ^a	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene ^a	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	MW5D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-1	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	32%		10-58%
118-79-6	2,4,6-Tribromophenol	98%		22-144%
4165-60-0	Nitrobenzene-d5	98%		28-118%
321-60-8	2-Fluorobiphenyl	83%		34-116%
1718-51-0	Terphenyl-d14	67%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW5D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-1	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Arsenic	3.4	3.0	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Chromium	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Copper	16.7	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Lead	5.7	3.0	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Manganese	116	15	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Nickel	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²

(1) Instrument QC Batch: MA54395

(2) Prep QC Batch: MP40511

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	MW3D						
Lab Sample ID:	JD68461-2					Date Sampled:	06/28/23
Matrix:	AQ - Ground Water					Date Received:	06/28/23
Method:	SW846 8260D					Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K08319.D	1	06/30/23 15:02	NW	n/a	n/a	V1K244
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride ^a	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW3D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-2	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	103%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW3D		
Lab Sample ID:	JD68461-2	Date Sampled:	06/28/23
Matrix:	AQ - Ground Water	Date Received:	06/28/23
Method:	SW846 8270E SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F214987.D	1	07/05/23 15:15	JY	06/30/23 10:00	OP47510	EF9506
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol ^a	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-2	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene ^a	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate ^a	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline ^a	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline ^a	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline ^a	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene ^a	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	MW3D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-2	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-58%
118-79-6	2,4,6-Tribromophenol	89%		22-144%
4165-60-0	Nitrobenzene-d5	89%		28-118%
321-60-8	2-Fluorobiphenyl	76%		34-116%
1718-51-0	Terphenyl-d14	64%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW3D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-2	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ³
Chromium	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ³
Copper	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ³
Lead ^a	< 6.0	6.0	ug/l	2	06/30/23	07/03/23	ND	SW846 6010D ² SW846 3010A ³
Manganese	636	15	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ³
Nickel	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ³

(1) Instrument QC Batch: MA54395

(2) Instrument QC Batch: MA54399

(3) Prep QC Batch: MP40511

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	MW1D						
Lab Sample ID:	JD68461-3					Date Sampled:	06/28/23
Matrix:	AQ - Ground Water					Date Received:	06/28/23
Method:	SW846 8260D					Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K08320.D	1	06/30/23 15:18	NW	n/a	n/a	V2K244
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride ^a	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW1D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-3	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	105%		82-114%

- (a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW1D		
Lab Sample ID:	JD68461-3	Date Sampled:	06/28/23
Matrix:	AQ - Ground Water	Date Received:	06/28/23
Method:	SW846 8270E SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F214988.D	1	07/05/23 15:41	JY	06/30/23 10:00	OP47510	EF9506
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol ^a	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

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Report of Analysis

Client Sample ID:	MW1D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-3	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene ^a	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate ^a	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline ^a	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline ^a	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline ^a	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene ^a	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		10-71%

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Report of Analysis

Page 3 of 3

Client Sample ID:	MW1D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-3	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-58%
118-79-6	2,4,6-Tribromophenol	88%		22-144%
4165-60-0	Nitrobenzene-d5	87%		28-118%
321-60-8	2-Fluorobiphenyl	72%		34-116%
1718-51-0	Terphenyl-d14	71%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW1D	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-3	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Arsenic	3.8	3.0	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Chromium	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Copper	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Manganese	113	15	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Nickel	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²

(1) Instrument QC Batch: MA54395

(2) Prep QC Batch: MP40511

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	FB20230628	
Lab Sample ID:	JD68461-4	Date Sampled: 06/28/23
Matrix:	AQ - Field Blank Water	Date Received: 06/28/23
Method:	SW846 8260D	Percent Solids: n/a
Project:	10 Commerce Drive, New Rochelle, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K08309.D	1	06/30/23 12:16	NW	n/a	n/a	V1K244
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	0.48	2.0	0.46	ug/l	J
56-23-5	Carbon tetrachloride ^a	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	FB20230628	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-4	Date Received:	06/28/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	103%		82-114%

- (a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	FB20230628	
Lab Sample ID:	JD68461-4	Date Sampled: 06/28/23
Matrix:	AQ - Field Blank Water	Date Received: 06/28/23
Method:	SW846 8270E SW846 3510C	Percent Solids: n/a
Project:	10 Commerce Drive, New Rochelle, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F214989.D	1	07/05/23 16:07	JY	06/30/23 10:00	OP47510	EF9506
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol ^a	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20230628	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-4	Date Received:	06/28/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene ^a	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate ^a	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline ^a	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline ^a	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline ^a	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene ^a	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-71%

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	FB20230628	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-4	Date Received:	06/28/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-58%
118-79-6	2,4,6-Tribromophenol	76%		22-144%
4165-60-0	Nitrobenzene-d5	79%		28-118%
321-60-8	2-Fluorobiphenyl	67%		34-116%
1718-51-0	Terphenyl-d14	73%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	FB20230628	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-4	Date Received:	06/28/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Chromium	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Copper	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Manganese	< 15	15	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²
Nickel	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ²

(1) Instrument QC Batch: MA54395

(2) Prep QC Batch: MP40511

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	TB20230628	
Lab Sample ID:	JD68461-5	Date Sampled: 06/28/23
Matrix:	AQ - Trip Blank Water	Date Received: 06/28/23
Method:	SW846 8260D	Percent Solids: n/a
Project:	10 Commerce Drive, New Rochelle, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K08310.D	1	06/30/23 12:33	NW	n/a	n/a	V2K244
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride ^a	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	TB20230628	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-5	Date Received:	06/28/23
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	109%		82-114%

- (a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	DUP20230628	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-6	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K08321.D	1	06/30/23 15:35	NW	n/a	n/a	V1K244
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride ^a	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	DUP20230628	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-6	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	DUP20230628	
Lab Sample ID:	JD68461-6	Date Sampled: 06/28/23
Matrix:	AQ - Ground Water	Date Received: 06/28/23
Method:	SW846 8270E SW846 3510C	Percent Solids: n/a
Project:	10 Commerce Drive, New Rochelle, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F214990.D	1	07/05/23 16:34	JY	06/30/23 10:00	OP47510	EF9506
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol ^a	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20230628	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-6	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene ^a	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate ^a	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline ^a	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline ^a	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline ^a	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene ^a	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20230628		
Lab Sample ID:	JD68461-6	Date Sampled:	06/28/23
Matrix:	AQ - Ground Water	Date Received:	06/28/23
Method:	SW846 8270E SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-58%
118-79-6	2,4,6-Tribromophenol	94%		22-144%
4165-60-0	Nitrobenzene-d5	93%		28-118%
321-60-8	2-Fluorobiphenyl	80%		34-116%
1718-51-0	Terphenyl-d14	71%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	DUP20230628	Date Sampled:	06/28/23
Lab Sample ID:	JD68461-6	Date Received:	06/28/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ³
Chromium	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ³
Copper	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ³
Lead ^a	< 6.0	6.0	ug/l	2	06/30/23	07/03/23	ND	SW846 6010D ² SW846 3010A ³
Manganese	683	15	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ³
Nickel	< 10	10	ug/l	1	06/30/23	07/01/23	ND	SW846 6010D ¹ SW846 3010A ³

(1) Instrument QC Batch: MA54395

(2) Instrument QC Batch: MA54399

(3) Prep QC Batch: MP40511

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

GW
FB
TB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

EHSA-QAC-0023-04-FORM-Standard COC

[illegible]

JD68461: Chain of Custody

Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD68461

Client: SESI CONSULTING ENGINEERS

Project: 10 COMMERCE DRIVE, NEW ROCHELLE,

Date / Time Received: 6/28/2023 7:36:00 PM

Delivery Method: SGS COURIER

Airbill #'s:
Cooler Temps (Raw Measured) °C: Cooler 1: (2.0);

Cooler Temps (Corrected) °C: Cooler 1: (1.8);

Cooler Security
Y or N
Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature
Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR Gun 40 | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation
Y or N
N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | ☒ | ☐ | ☐ |
| 2. Trip Blank listed on COC: | ☒ | ☐ | ☐ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☒ | ☐ | ☐ |

Sample Integrity - Documentation
Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition
Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions
Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s:

Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD68461: Chain of Custody

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The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

10 Commerce Drive, New Rochelle, NY

12379:1

SGS Job Number: JD77840

Sampling Date: 11/30/23

Report to:

SESI Consulting Engineers

Jen.morganti@sesi.org

ATTN: Jennifer Morganti

Total number of pages in report: 48



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Kelly Ramos 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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Test results relate only to samples analyzed.

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Sample Summary

SESI Consulting Engineers

Job No: JD77840

10 Commerce Drive, New Rochelle, NY
Project No: 12379;1

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JD77840-1	11/30/23	12:00 TAJ	11/30/23	AQ	Ground Water	MW 1D
JD77840-2	11/30/23	09:45 TAJ	11/30/23	AQ	Ground Water	MW 3D
JD77840-3	11/30/23	10:25 TAJ	11/30/23	AQ	Ground Water	MW 5D
JD77840-4	11/30/23	00:00 TAJ	11/30/23	AQ	Ground Water	DUP20231130
JD77840-5	11/30/23	10:45 TAJ	11/30/23	AQ	Field Blank Water	FB20231130
JD77840-6	11/30/23	12:00	11/30/23	AQ	Trip Blank Water	TB20231130

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SESI Consulting Engineers

Job No: JD77840

Site: 10 Commerce Drive, New Rochelle, NY

Report Date 12/7/2023 12:13:48 P

On 11/30/2023, 4 sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 0.3 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD77840 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: V4D5888

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD77856-1MS, JD77856-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD77840-4 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD77840-5 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD77840-6 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD77840-6 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD77840-3 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD77840-1 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD77840-2 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD77840-4 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD77840-2 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD77840-3 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD77840-1 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD77840-5 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Thursday, December 7, 2023

Page 1 of 3

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ

Batch ID: OP50820

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JD77840-2 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD77840-1 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD77840-1 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD77840-3 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD77840-1 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD77840-5 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD77840-5 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD77840-3 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD77840-3 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD77840-4 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD77840-4 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD77840-4 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD77840-5 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD77840-2 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD77840-2 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: AQ

Batch ID: OP50869A

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- OP50869A-BS12 for 1,4-Dioxane: Outside of in house control limits, but within reasonable method recovery limits.

Metals Analysis By Method SW846 6010D

Matrix: AQ

Batch ID: MP43480

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD77840-2MS, JD77840-2MSD, JD77840-2SDL were used as the QC samples for the metals analysis.
- The serial dilution RPD(s) for Arsenic, Chromium, Copper, Nickel are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Page 1 of 1

Job Number: JD77840
Account: SESI Consulting Engineers
Project: 10 Commerce Drive, New Rochelle, NY
Collected: 11/30/23



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

JD77840-1 MW 1D

Total TIC, Semi-Volatile	4.1 J				ug/l	
Arsenic	3.3	3.0			ug/l	SW846 6010D
Chromium	10.3	10			ug/l	SW846 6010D
Copper	14.2	10			ug/l	SW846 6010D
Manganese	108	15			ug/l	SW846 6010D

JD77840-2 MW 3D

Total TIC, Semi-Volatile	30 J				ug/l	
Manganese	1090	15			ug/l	SW846 6010D

JD77840-3 MW 5D

Total TIC, Semi-Volatile	9.8 J				ug/l	
Arsenic	3.5	3.0			ug/l	SW846 6010D
Manganese	115	15			ug/l	SW846 6010D

JD77840-4 DUP20231130

Carbazole	0.24 J	1.0	0.23		ug/l	SW846 8270E
Total TIC, Semi-Volatile	11.6 J				ug/l	
Manganese	1090	15			ug/l	SW846 6010D

JD77840-5 FB20231130

No hits reported in this sample.

JD77840-6 TB20231130

No hits reported in this sample.



Dayton, NJ

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW 1D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-1	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D133129.D	1	12/01/23 19:23	NW	n/a	n/a	V4D5888
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 1D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-1	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	4.31	47	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 3

Client Sample ID:	MW 1D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-1	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CJ3834.D	1	12/05/23 05:01	RS	12/04/23 07:50	OP50820	ECJ181
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline ^b	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 1D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-1	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^a	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 1D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-1	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	29%		10-58%
118-79-6	2,4,6-Tribromophenol	102%		22-144%
4165-60-0	Nitrobenzene-d5	70%		28-118%
321-60-8	2-Fluorobiphenyl	77%		34-116%
1718-51-0	Terphenyl-d14	68%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.53	6.7	ug/l	J
	System artifact	3.61	18	ug/l	J
	Unknown	10.38	4.1	ug/l	J
	Total TIC, Semi-Volatile		4.1	ug/l	J

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 1D		
Lab Sample ID:	JD77840-1	Date Sampled:	11/30/23
Matrix:	AQ - Ground Water	Date Received:	11/30/23
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M120661.D	1	12/06/23 15:17	AO	12/05/23 16:20	OP50869A	E4M5647
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		23-127%
321-60-8	2-Fluorobiphenyl	69%		23-114%
1718-51-0	Terphenyl-d14	53%		10-121%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 1D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-1	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic	3.3	3.0	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Chromium	10.3	10	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Copper	14.2	10	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Manganese	108	15	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²

(1) Instrument QC Batch: MA55174
(2) Prep QC Batch: MP43480

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	MW 3D						
Lab Sample ID:	JD77840-2					Date Sampled:	11/30/23
Matrix:	AQ - Ground Water					Date Received:	11/30/23
Method:	SW846 8260D					Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D133130.D	1	12/01/23 19:51	NW	n/a	n/a	V4D5888
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 3D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-2	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	4.31	53	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 3

Client Sample ID:	MW 3D	
Lab Sample ID:	JD77840-2	Date Sampled: 11/30/23
Matrix:	AQ - Ground Water	Date Received: 11/30/23
Method:	SW846 8270E SW846 3510C	Percent Solids: n/a
Project:	10 Commerce Drive, New Rochelle, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CJ3835.D	1	12/05/23 05:21	RS	12/04/23 07:50	OP50820	ECJ181
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline ^b	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 3D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-2	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^a	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		10-71%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 3D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-2	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-58%
118-79-6	2,4,6-Tribromophenol	115%		22-144%
4165-60-0	Nitrobenzene-d5	75%		28-118%
321-60-8	2-Fluorobiphenyl	77%		34-116%
1718-51-0	Terphenyl-d14	71%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	8.33	6	ug/l	J
	Unknown	9.29	6.2	ug/l	J
	Unknown	9.81	4.3	ug/l	J
	Unknown	10.12	9.1	ug/l	J
	Unknown	10.38	4.4	ug/l	J
	Total TIC, Semi-Volatile		30	ug/l	J

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.2
4

Report of Analysis

Client Sample ID:	MW 3D		
Lab Sample ID:	JD77840-2	Date Sampled:	11/30/23
Matrix:	AQ - Ground Water	Date Received:	11/30/23
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M120662.D	1	12/06/23 15:41	AO	12/05/23 16:20	OP50869A	E4M5647
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		23-127%
321-60-8	2-Fluorobiphenyl	72%		23-114%
1718-51-0	Terphenyl-d14	64%		10-121%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 3D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-2	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Chromium	< 10	10	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Copper	< 10	10	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Manganese	1090	15	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA55174
(2) Prep QC Batch: MP43480

RL = Reporting Limit

4.2
4

Report of Analysis

Page 1 of 2

Client Sample ID:	MW 5D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-3	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D133131.D	1	12/01/23 20:20	NW	n/a	n/a	V4D5888
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

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RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 5D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-3	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	4.30	52	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW 5D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-3	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CJ3836.D	1	12/05/23 05:41	RS	12/04/23 07:50	OP50820	ECJ181
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline ^b	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 5D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-3	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^a	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 5D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-3	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	25%		10-58%
118-79-6	2,4,6-Tribromophenol	87%		22-144%
4165-60-0	Nitrobenzene-d5	56%		28-118%
321-60-8	2-Fluorobiphenyl	63%		34-116%
1718-51-0	Terphenyl-d14	62%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	8.33	5.1	ug/l	J
	Unknown	10.12	4.7	ug/l	J
	Total TIC, Semi-Volatile		9.8	ug/l	J

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 5D		
Lab Sample ID:	JD77840-3	Date Sampled:	11/30/23
Matrix:	AQ - Ground Water	Date Received:	11/30/23
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M120663.D	1	12/06/23 16:06	AO	12/05/23 16:20	OP50869A	E4M5647
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		23-127%
321-60-8	2-Fluorobiphenyl	71%		23-114%
1718-51-0	Terphenyl-d14	59%		10-121%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 5D	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-3	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic	3.5	3.0	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Chromium	< 10	10	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Copper	< 10	10	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Manganese	115	15	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	12/04/23	12/04/23	ND	SW846 6010D ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA55174
(2) Prep QC Batch: MP43480

RL = Reporting Limit

4.3
4

Report of Analysis

Client Sample ID:	DUP20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-4	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D133132.D	1	12/01/23 20:48	NW	n/a	n/a	V4D5888
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-4	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	4.31	53	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	DUP20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-4	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CJ3837.D	1	12/05/23 06:01	RS	12/04/23 07:50	OP50820	ECJ181
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline ^b	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	0.24	1.0	0.23	ug/l	J

ND = Not detected MDL = Method Detection Limit

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RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	DUP20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-4	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^a	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-4	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	30%		10-58%
118-79-6	2,4,6-Tribromophenol	113%		22-144%
4165-60-0	Nitrobenzene-d5	66%		28-118%
321-60-8	2-Fluorobiphenyl	73%		34-116%
1718-51-0	Terphenyl-d14	70%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	8.33	7.3	ug/l	J
	Unknown	10.38	4.3	ug/l	J
	Total TIC, Semi-Volatile		11.6	ug/l	J

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20231130		
Lab Sample ID:	JD77840-4	Date Sampled:	11/30/23
Matrix:	AQ - Ground Water	Date Received:	11/30/23
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M120664.D	1	12/06/23 16:30	AO	12/05/23 16:20	OP50869A	E4M5647
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		23-127%
321-60-8	2-Fluorobiphenyl	75%		23-114%
1718-51-0	Terphenyl-d14	56%		10-121%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-4	Date Received:	11/30/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²
Chromium	< 10	10	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²
Copper	< 10	10	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²
Manganese	1090	15	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²

(1) Instrument QC Batch: MA55174
(2) Prep QC Batch: MP43480

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FB20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-5	Date Received:	11/30/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D133113.D	1	12/01/23 11:51	NW	n/a	n/a	V4D5888
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-5	Date Received:	11/30/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-5	Date Received:	11/30/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CJ3838.D	1	12/05/23 06:21	RS	12/04/23 07:50	OP50820	ECJ181
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline ^b	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-5	Date Received:	11/30/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^a	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%		10-71%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-5	Date Received:	11/30/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	20%		10-58%
118-79-6	2,4,6-Tribromophenol	68%		22-144%
4165-60-0	Nitrobenzene-d5	54%		28-118%
321-60-8	2-Fluorobiphenyl	58%		34-116%
1718-51-0	Terphenyl-d14	53%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-5	Date Received:	11/30/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E BY SIM SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M120665.D	1	12/06/23 16:54	AO	12/05/23 16:20	OP50869A	E4M5647
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		23-127%
321-60-8	2-Fluorobiphenyl	73%		23-114%
1718-51-0	Terphenyl-d14	69%		10-121%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-5	Date Received:	11/30/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²
Chromium	< 10	10	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²
Copper	< 10	10	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²
Manganese	< 15	15	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	12/04/23	12/04/23 ND	SW846 6010D ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA55174
(2) Prep QC Batch: MP43480

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-6	Date Received:	11/30/23
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D133114.D	1	12/01/23 12:19	NW	n/a	n/a	V4D5888
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB20231130	Date Sampled:	11/30/23
Lab Sample ID:	JD77840-6	Date Received:	11/30/23
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

GW
FB
TB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page | of |

FED-EX Tracking #	Bottle Order Control # PREM-KR-112823-23
SGS Quote #	SGS Job # JD37840

[illegible]

5.1

JD77840: Chain of Custody

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JD77840

SGS Sample Receipt Summary

Job Number: JD77840

Client: SESI CONSULTING ENGINEERS

Project: 10 COMMERCE DRIVE, NEW ROCHELLE,

Date / Time Received: 11/30/2023 6:28:00 PM

Delivery Method: SGS COUIRER

Airbill #'s:

Cooler Temps (Raw Measured) °C: Cooler 1: (0.3);

Cooler Temps (Corrected) °C: Cooler 1: (0.3);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | ☒ | ☐ | ☐ |
| 2. Trip Blank listed on COC: | ☒ | ☐ | ☐ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☒ | ☐ | ☐ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD77840: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

10 Commerce Drive, New Rochelle, NY

12379:1

SGS Job Number: JD73184

Sampling Date: 09/20/23

Report to:

SESI Consulting Engineers

rmw@sesi.org

ATTN: Ryan Warren

Total number of pages in report: 49



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Kelly Ramos 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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Test results relate only to samples analyzed.

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Sample Summary

SESI Consulting Engineers

Job No: JD73184

10 Commerce Drive, New Rochelle, NY
Project No: 12379:1

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
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This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JD73184-1	09/20/23	15:46	09/20/23	AQ	Ground Water	MW-1D
JD73184-2	09/20/23	13:25	09/20/23	AQ	Ground Water	MW-3D
JD73184-3	09/20/23	14:25	09/20/23	AQ	Ground Water	MW-5D
JD73184-4	09/20/23	00:00	09/20/23	AQ	Field Blank Water	FB20230920
JD73184-5	09/20/23	15:46	09/20/23	AQ	Trip Blank Water	TB20230920
JD73184-6	09/20/23	00:00	09/20/23	AQ	Ground Water	DUP20230920

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SESI Consulting Engineers

Job No: JD73184

Site: 10 Commerce Drive, New Rochelle, NY

Report Date 9/28/2023 5:22:21 PM

On 09/20/2023, 4 sample(s), 1 Trip Blank(s), and 1 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2.7 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD73184 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: V1K316

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD73120-1MS, JD73120-1MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of Bromomethane are outside in house control limits.
- The matrix spike duplicate (MSD) recovery(s) of Bromomethane are outside in house control limits.
- The RPD(s) for the MS and MSD recoveries of 1,2,3-Trichlorobenzene are outside control limits. Outside control limits due to matrix interference.
- V1K316-BS for Chloroethane: High percent recovery and no associated positive reported in the QC batch.
- JD73184-1 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-1 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD73184-1 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD73184-4 for Methylcyclohexane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-4 for Chloroform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-4 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD73184-1 for Chloroform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V1K316-BS for Methylcyclohexane: Outside of in house control limits, but within the marginal exceedance limits.
- JD73184-4 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V1K316-BS for Bromomethane: High percent recovery and no associated positive reported in the QC batch.
- JD73184-4 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD73184-6 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD73184-6 for Methylcyclohexane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-6 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-4 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Thursday, September 28, 2023

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MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: V1K316

- JD73184-6 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-1 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-6 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD73184-2 for Methylcyclohexane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-2 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-2 for Chloroform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-2 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-6 for Chloroform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-1 for Methylcyclohexane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-2 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD73184-2 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

Matrix: AQ

Batch ID: V1X8726

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD73298-4MS, JD73298-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD73184-3 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-3 for Acetone: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD73184-3 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V1X8726-BS for Acetone: High percent recovery and no associated positive reported in the QC batch.

Matrix: AQ

Batch ID: V2K316

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD73232-5MS, JD73232-5MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate recovery(s) of Methylcyclohexane are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike/Matrix Spike Duplicate recovery(s) of Bromomethane, Trichlorofluoromethane are outside in house control limits.
- The RPD(s) for the MS and MSD recoveries of 1,2-Dibromo-3-chloropropane are outside control limits. Outside control limits due to matrix interference.
- JD73184-5 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V2K316-BS for Trichlorofluoromethane: High percent recovery and no associated positive reported in the QC batch.
- JD73184-5 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD73184-5 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V2K316-BS for Chloroethane: High percent recovery and no associated positive reported in the QC batch.

Thursday, September 28, 2023

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MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: V2K316

- V2K316-BS for Bromomethane: High percent recovery and no associated positive reported in the QC batch.
- JD73184-5 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD73184-5 for Methylcyclohexane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD73184-5 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD73184-5 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ

Batch ID: OP49203

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JD73184-3 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- OP49203-BS1 for 2,4-Dinitrophenol: High percent recoveries and no associated positive found in the QC batch.
- OP49203-BS1 for 2-Nitrophenol: High percent recoveries and no associated positive found in the QC batch.
- JD73184-2 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD73184-3 for Nitrobenzene: Associated CCV outside of control limits high, sample was ND.
- JD73184-3 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD73184-3 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD73184-3 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD73184-3 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD73184-2 for Nitrobenzene: Associated CCV outside of control limits high, sample was ND.
- JD73184-2 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD73184-2 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD73184-3 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD73184-2 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- OP49203-BS1 for 4,6-Dinitro-o-cresol: High percent recoveries and no associated positive found in the QC batch.
- JD73184-1 for Nitrobenzene: Associated CCV outside of control limits high, sample was ND.
- JD73184-1 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD73184-1 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD73184-1 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD73184-1 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD73184-1 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD73184-2 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD73184-2 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD73184-1 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E BY SIM**Matrix:** AQ**Batch ID:** OP49203A

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals Analysis By Method SW846 6010D**Matrix:** AQ**Batch ID:** MP42043

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD73113-1MS, JD73113-1MSD, JD73113-1SDL were used as the QC samples for the metals analysis.
- The serial dilution RPD(s) for Arsenic, Chromium, Nickel are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Page 1 of 1

Job Number: JD73184
Account: SESI Consulting Engineers
Project: 10 Commerce Drive, New Rochelle, NY
Collected: 09/20/23



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JD73184-1 MW-1D

Total TIC, Semi-Volatile	32.4 J				ug/l	
Arsenic	3.8	3.0			ug/l	SW846 6010D
Copper	34.6	10			ug/l	SW846 6010D
Manganese	111	15			ug/l	SW846 6010D

JD73184-2 MW-3D

trans-1,2-Dichloroethene	1.2	1.0	0.54		ug/l	SW846 8260D
Total TIC, Semi-Volatile	15 J				ug/l	
Manganese	874	15			ug/l	SW846 6010D

JD73184-3 MW-5D

Chloroform	2.5	1.0	0.50		ug/l	SW846 8260D
Total TIC, Semi-Volatile	15.4 J				ug/l	
Chromium	11.5	10			ug/l	SW846 6010D
Copper	32.4	10			ug/l	SW846 6010D
Lead	11.5	3.0			ug/l	SW846 6010D
Manganese	275	15			ug/l	SW846 6010D
Nickel	14.2	10			ug/l	SW846 6010D

JD73184-4 FB20230920

No hits reported in this sample.

JD73184-5 TB20230920

No hits reported in this sample.

JD73184-6 DUP20230920

Carbazole	0.33 J	1.0	0.23		ug/l	SW846 8270E
Manganese	806	15			ug/l	SW846 6010D



Dayton, NJ

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-1	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K11019.D	1	09/22/23 17:42	LD	n/a	n/a	V1K316
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform ^a	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-1D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-1	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane ^a	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.04	5.8	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW-1D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-1	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F216527.D	1	09/23/23 17:33	KLS	09/22/23 14:30	OP49203	EF9583
Run #2							

Run #	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.4	0.88	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.4	0.96	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.2	1.4	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.4	2.6	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.4	1.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.4	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.2	0.95	ug/l	
	3&4-Methylphenol	ND	2.2	0.95	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.4	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.3	1.5	ug/l	
108-95-2	Phenol	ND	2.2	0.42	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.4	1.6	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.4	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.4	0.99	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.21	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.15	ug/l	
98-86-2	Acetophenone	ND	2.2	0.22	ug/l	
120-12-7	Anthracene	ND	1.1	0.23	ug/l	
1912-24-9	Atrazine	ND	2.2	0.48	ug/l	
100-52-7	Benzaldehyde	ND	5.4	0.31	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.37	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.49	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.23	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.4	0.37	ug/l	
86-74-8	Carbazole	ND	1.1	0.25	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	MW-1D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-1	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.2	0.70	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.30	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.27	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.2	0.43	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.1	0.59	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.51	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.2	0.55	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.71	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.36	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.24	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.53	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	1.8	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.35	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.53	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	11	3.0	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.42	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.36	ug/l	
78-59-1	Isophorone	ND	2.2	0.30	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.23	ug/l	
88-74-4	2-Nitroaniline ^a	ND	5.4	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	5.4	0.42	ug/l	
100-01-6	4-Nitroaniline	ND	5.4	0.47	ug/l	
91-20-3	Naphthalene	ND	1.1	0.25	ug/l	
98-95-3	Nitrobenzene ^a	ND	2.2	0.69	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.52	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.24	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.19	ug/l	
129-00-0	Pyrene	ND	1.1	0.24	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.2	0.40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-1	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	27%		10-58%
118-79-6	2,4,6-Tribromophenol	88%		22-144%
4165-60-0	Nitrobenzene-d5	100%		28-118%
321-60-8	2-Fluorobiphenyl	78%		34-116%
1718-51-0	Terphenyl-d14	44%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.15	12	ug/l	J
	system artifact	3.90	19	ug/l	J
	unknown	4.00	6.2	ug/l	J
	unknown	4.10	10	ug/l	J
	alkane	14.03	5.5	ug/l	J
	alkane	14.78	5.8	ug/l	J
	alkane	15.51	4.9	ug/l	J
	Total TIC, Semi-Volatile		32.4	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1D		
Lab Sample ID:	JD73184-1	Date Sampled:	09/20/23
Matrix:	AQ - Ground Water	Date Received:	09/20/23
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR3575.D	1	09/26/23 05:28	RS	09/22/23 10:00	OP49203A	ECR160
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.11	0.054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		23-127%
321-60-8	2-Fluorobiphenyl	78%		23-114%
1718-51-0	Terphenyl-d14	40%		10-121%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-1	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Arsenic	3.8	3.0	ug/l	1	09/21/23	09/23/23	ND	SW846 6010D ¹ SW846 3010A ²
Chromium	< 10	10	ug/l	1	09/21/23	09/23/23	ND	SW846 6010D ¹ SW846 3010A ²
Copper	34.6	10	ug/l	1	09/21/23	09/23/23	ND	SW846 6010D ¹ SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	09/21/23	09/23/23	ND	SW846 6010D ¹ SW846 3010A ²
Manganese	111	15	ug/l	1	09/21/23	09/23/23	ND	SW846 6010D ¹ SW846 3010A ²
Nickel	< 10	10	ug/l	1	09/21/23	09/23/23	ND	SW846 6010D ¹ SW846 3010A ²

(1) Instrument QC Batch: MA54816
(2) Prep QC Batch: MP42043

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-3D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-2	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K11021.D	1	09/22/23 18:15	LD	n/a	n/a	V1K316
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform ^a	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.2	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-3D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-2	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane ^a	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.04	6	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW-3D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-2	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F216528.D	1	09/23/23 18:21	KLS	09/22/23 14:30	OP49203	EF9583
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-2	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline ^a	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene ^a	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-2	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	28%		10-58%
118-79-6	2,4,6-Tribromophenol	97%		22-144%
4165-60-0	Nitrobenzene-d5	87%		28-118%
321-60-8	2-Fluorobiphenyl	68%		34-116%
1718-51-0	Terphenyl-d14	56%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.90	17	ug/l	J
	unknown	4.00	5.6	ug/l	J
	unknown	4.10	9.4	ug/l	J
	Total TIC, Semi-Volatile		15	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-2	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E BY SIM SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR3576.D	1	09/26/23 05:48	RS	09/22/23 10:00	OP49203A	ECR160
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-60-0	Nitrobenzene-d5	76%		23-127%		
321-60-8	2-Fluorobiphenyl	70%		23-114%		
1718-51-0	Terphenyl-d14	48%		10-121%		

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-2	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Chromium	< 10	10	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Copper	< 10	10	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Manganese	874	15	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²

(1) Instrument QC Batch: MA54816
(2) Prep QC Batch: MP42043

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-5D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-3	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1X201879.D	1	09/25/23 12:26	LD	n/a	n/a	V1X8726
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	2.5	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan ^b	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-5D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-3	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	112%		80-120%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	90%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW-5D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-3	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F216529.D	1	09/23/23 18:47	KLS	09/22/23 14:30	OP49203	EF9583
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.81	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.88	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.0	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.88	ug/l	
	3&4-Methylphenol	ND	2.0	0.87	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.95	ug/l	
100-02-7	4-Nitrophenol	ND	9.9	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.91	ug/l	
83-32-9	Acenaphthene	ND	0.99	0.19	ug/l	
208-96-8	Acenaphthylene	ND	0.99	0.13	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	0.99	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.44	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.99	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.99	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.99	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.99	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.99	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.45	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.99	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.23	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	0.99	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-3	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.64	ug/l	
218-01-9	Chrysene	ND	0.99	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.36	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	0.99	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.99	0.47	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.50	ug/l	
123-91-1	1,4-Dioxane	ND	0.99	0.65	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.99	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.49	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	0.99	0.17	ug/l	
86-73-7	Fluorene	ND	0.99	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	0.99	0.32	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.99	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	9.9	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.99	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.99	0.21	ug/l	
88-74-4	2-Nitroaniline ^a	ND	5.0	0.27	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.38	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	0.99	0.23	ug/l	
98-95-3	Nitrobenzene ^a	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	0.99	0.17	ug/l	
129-00-0	Pyrene	ND	0.99	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-3	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-62-2	Phenol-d5	27%		10-58%		
118-79-6	2,4,6-Tribromophenol	98%		22-144%		
4165-60-0	Nitrobenzene-d5	93%		28-118%		
321-60-8	2-Fluorobiphenyl	78%		34-116%		
1718-51-0	Terphenyl-d14	53%		10-127%		

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.15	5.9	ug/l	J
	system artifact	3.90	17	ug/l	J
	system artifact	4.00	5.7	ug/l	J
	unknown	4.10	9.4	ug/l	J
	Benzoic acid, dichloro-	6.92	6	ug/l	J
	Total TIC, Semi-Volatile		15.4	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5D		
Lab Sample ID:	JD73184-3	Date Sampled:	09/20/23
Matrix:	AQ - Ground Water	Date Received:	09/20/23
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR3577.D	1	09/26/23 06:08	RS	09/22/23 10:00	OP49203A	ECR160
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.099	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		23-127%
321-60-8	2-Fluorobiphenyl	77%		23-114%
1718-51-0	Terphenyl-d14	45%		10-121%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5D	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-3	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Chromium	11.5	10	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Copper	32.4	10	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Lead	11.5	3.0	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Manganese	275	15	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Nickel	14.2	10	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA54816
(2) Prep QC Batch: MP42043

RL = Reporting Limit

4.3
4

Report of Analysis

Client Sample ID:	FB20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-4	Date Received:	09/20/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K10997.D	1	09/22/23 11:41	LD	n/a	n/a	V1K316
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform ^a	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	FB20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-4	Date Received:	09/20/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane ^a	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.02	5.4	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	FB20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-4	Date Received:	09/20/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P116410.D	1	09/26/23 13:37	KH	09/22/23 14:30	OP49203	E2P5243
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-4	Date Received:	09/20/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		10-71%

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-4	Date Received:	09/20/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	24%		10-58%
118-79-6	2,4,6-Tribromophenol	73%		22-144%
4165-60-0	Nitrobenzene-d5	70%		28-118%
321-60-8	2-Fluorobiphenyl	67%		34-116%
1718-51-0	Terphenyl-d14	73%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.46	5.6	ug/l	J
	system artifact	3.32	14	ug/l	J
	system artifact	3.39	4.5	ug/l	J
	system artifact	3.44	15	ug/l	J
	Internal standard added for SIM test	3.84	4.6	ug/l	J
	Internal standard added for SIM test	4.91	5.1	ug/l	J
	Internal standard added for SIM test	5.97	5.4	ug/l	J
	Internal standard added for SIM test	7.85	5.6	ug/l	J
	Internal standard added for SIM test	10.59	5.3	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20230920		
Lab Sample ID:	JD73184-4	Date Sampled:	09/20/23
Matrix:	AQ - Field Blank Water	Date Received:	09/20/23
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR3578.D	1	09/26/23 06:28	RS	09/22/23 10:00	OP49203A	ECR160
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.099	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		23-127%
321-60-8	2-Fluorobiphenyl	66%		23-114%
1718-51-0	Terphenyl-d14	63%		10-121%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-4	Date Received:	09/20/23
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Chromium	< 10	10	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Copper	< 10	10	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Manganese	< 15	15	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	09/21/23	09/23/23 ND	SW846 6010D ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA54816
(2) Prep QC Batch: MP42043

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-5	Date Received:	09/20/23
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K10998.D	1	09/22/23 11:57	LD	n/a	n/a	V2K316
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) ^a	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^c	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-5	Date Received:	09/20/23
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane ^c	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^b	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.04	5.1	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-6	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K11025.D	1	09/22/23 19:21	LD	n/a	n/a	V1K316
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform ^a	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-6	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane ^a	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.04	5.3	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-6	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P116411.D	1	09/26/23 13:56	KH	09/22/23 14:30	OP49203	E2P5243
Run #2							

Run #	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.91	ug/l	
	3&4-Methylphenol	ND	2.0	0.90	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.94	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.0	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	0.33	1.0	0.23	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-6	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.66	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.56	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.52	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.67	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.45	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-6	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-58%
118-79-6	2,4,6-Tribromophenol	92%		22-144%
4165-60-0	Nitrobenzene-d5	72%		28-118%
321-60-8	2-Fluorobiphenyl	78%		34-116%
1718-51-0	Terphenyl-d14	55%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.46	4.9	ug/l	J
	system artifact	3.32	14	ug/l	J
	system artifact	3.39	4.8	ug/l	J
	system artifact	3.44	16	ug/l	J
	Internal standard added for SIM test	3.84	4.8	ug/l	J
	Internal standard added for SIM test	4.90	5.6	ug/l	J
	Internal standard added for SIM test	5.96	6	ug/l	J
	Internal standard added for SIM test	7.85	6	ug/l	J
	Internal standard added for SIM test	10.58	5.6	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	DUP20230920		
Lab Sample ID:	JD73184-6	Date Sampled:	09/20/23
Matrix:	AQ - Ground Water	Date Received:	09/20/23
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR3579.D	1	09/26/23 06:48	RS	09/22/23 10:00	OP49203A	ECR160
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.11	0.053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		23-127%
321-60-8	2-Fluorobiphenyl	78%		23-114%
1718-51-0	Terphenyl-d14	47%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20230920	Date Sampled:	09/20/23
Lab Sample ID:	JD73184-6	Date Received:	09/20/23
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	09/21/23	09/24/23	ND	SW846 6010D ¹ SW846 3010A ²
Chromium	< 10	10	ug/l	1	09/21/23	09/24/23	ND	SW846 6010D ¹ SW846 3010A ²
Copper	< 10	10	ug/l	1	09/21/23	09/24/23	ND	SW846 6010D ¹ SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	09/21/23	09/24/23	ND	SW846 6010D ¹ SW846 3010A ²
Manganese	806	15	ug/l	1	09/21/23	09/24/23	ND	SW846 6010D ¹ SW846 3010A ²
Nickel	< 10	10	ug/l	1	09/21/23	09/24/23	ND	SW846 6010D ¹ SW846 3010A ²

- (1) Instrument QC Batch: MA54816
(2) Prep QC Batch: MP42043

RL = Reporting Limit

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

Page 1 of 1

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
EL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #	Bottom Feed Control
SGS Quote #	SGS Job #

EHS-A-QAC-0023-04-FORM-Standard COC

[illegible]

JD73184: Chain of Custody

Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD73184

Client: SESI CONSULTING ENGINEERS

Project: 10 COMMERCE DRIVE, NEW ROCHELLE

Date / Time Received: 9/20/2023 8:23:00 PM

Delivery Method:

Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1); Cooler 2: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (1.8); Cooler 2: (2.7);

Cooler Security

Y or N

1. Custody Seals Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐

3. COC Present:

Y or N

4. Smpl Dates/Time OK ☒ ☐

Cooler Temperature

Y or N

1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: IR Gun 40
3. Cooler media: Ice (Bag)
4. No. Coolers: 2

Quality Control Preservation

Y or N

N/A

1. Trip Blank present / cooler: ☒ ☐ ☐
2. Trip Blank listed on COC: ☒ ☐ ☐
3. Samples preserved properly: ☒ ☐ ☐
4. VOCs headspace free: ☒ ☐ ☐

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: Intact

Sample Integrity - Instructions

Y or N

N/A

1. Analysis requested is clear: ☒ ☐
2. Bottles received for unspecified tests: ☐ ☒
3. Sufficient volume recvd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Test Strip Lot #s:

pH 1-12: 231619

pH 12+: 203117A

Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD73184: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

10 Commerce Drive, New Rochelle, NY

12379:1

SGS Job Number: JD82019

Sampling Date: 02/07/24

Report to:

SESI Consulting Engineers

rmw@sesi.org

ATTN: Ryan Warren

Total number of pages in report: 49



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Kelly Ramos 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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Test results relate only to samples analyzed.

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Sample Summary

SESI Consulting Engineers

Job No: JD82019

10 Commerce Drive, New Rochelle, NY
Project No: 12379;1

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
---------------	----------------	---------	----------	------------------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JD82019-1	02/07/24	13:40 TJ	02/07/24	AQ	Ground Water	MW-1D
JD82019-2	02/07/24	12:45 TJ	02/07/24	AQ	Ground Water	MW-3D
JD82019-3	02/07/24	11:15 TJ	02/07/24	AQ	Ground Water	MW-5D
JD82019-4	02/07/24	00:00 TJ	02/07/24	AQ	Ground Water	DUP20240207
JD82019-5	02/07/24	13:30 TJ	02/07/24	AQ	Field Blank Water	FB20240207
JD82019-6	02/07/24	13:40 TJ	02/07/24	AQ	Trip Blank Water	TB20240207

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SESI Consulting Engineers

Job No: JD82019

Site: 10 Commerce Drive, New Rochelle, NY

Report Date 2/27/2024 9:16:21 AM

On 02/07/2024, 4 sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 1.2 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD82019 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: V1F303

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD82009-8MS, JD82009-8MSD were used as the QC samples indicated.
- JD82019-5 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-1 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-1 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-1 for Chloroform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-5 for Chloroform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-5 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ

Batch ID: V2F303

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD82046-1MS, JD82046-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The blank spike (BS) recovery(s) of Chloroform are outside control limits.
- JD82019-6 for Chloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-6 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-6 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V2F303-BS for Chloroform: Outside of in house control limits, but within the marginal exceedance limits.
- JD82019-4 for Trichlorofluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-4 for Chloroform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND. This compound in blank spike is outside in house QC limits bias low.
- JD82019-6 for Trichlorofluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Tuesday, February 27, 2024

Page 1 of 4

MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: V2F303

- JD82019-4 for Chloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-4 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-4 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-2 for Trichlorofluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-2 for Chloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-2 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-2 for Chloroform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND. This compound in blank spike is outside in house QC limits bias low.
- JD82019-2 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD82019-6 for Chloroform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND. This compound in blank spike is outside in house QC limits bias low.

Matrix: AQ

Batch ID: VGB283

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD82088-4MS, JD82088-4MSD were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of Benzene are outside control limits.
- JD82019-3 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- VGB283-BS for Benzene: Outside of in house control limits, but within reasonable method recovery limits.
- JD82019-3 for Chloroethane: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ

Batch ID: OP52342

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- The blank spike (BS) recovery(s) of 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Nitrophenol, 4,6-Dinitro-o-cresol, 4-Chloro-3-methyl phenol, 4-Nitrophenol, Hexachlorobutadiene, Hexachloroethane, Phenol are outside control limits.
- JD82019-2: Associated BS outside control limits. BSD within inhouse QC control limits.
- JD82019-4: Associated BS outside control limits. BSD within inhouse QC control limits.
- JD82019-1: Associated BS outside control limits. BSD within inhouse QC control limits.
- OP52342-BS1: Outside control limits. BSD met criteria.
- JD82019-3: Associated BS outside control limits. BSD within inhouse QC control limits.
- JD82019-5: Associated BS outside control limits. BSD within inhouse QC control limits.
- JD82019-2 for Hexachlorobutadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD82019-2 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD82019-1 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD82019-3 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD82019-1 for Hexachlorobutadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD82019-4 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD82019-4 for Hexachlorobutadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD82019-5 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD82019-5 for Hexachlorobutadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- OP52342-BS1 for 2,4,6-Tribromophenol: Outside of in house control limits.
- JD82019-3 for Hexachlorobutadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- OP52342-BSD for 2-Nitrophenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for Phenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for Pentachlorophenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for Hexachlorocyclopentadiene: Analytical precision exceeds in-house control limits.
- OP52342-BSD for Hexachlorobutadiene: Analytical precision exceeds in-house control limits.
- OP52342-BSD for 4-Nitrophenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for 4-Chloro-3-methyl phenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for 4,6-Dinitro-o-cresol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for 3&4-Methylphenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for 2,4-Dinitrophenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for 2,3,4,6-Tetrachlorophenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for 2,4,5-Trichlorophenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for 2,4-Dichlorophenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for 2-Chlorophenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for 2-Methylphenol: Analytical precision exceeds in-house control limits.
- OP52342-BSD for 2,4,6-Trichlorophenol: Analytical precision exceeds in-house control limits.

Tuesday, February 27, 2024

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MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: AQ

Batch ID: OP52342A

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD82047-4MS, JD82047-4MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of 1,4-Dioxane are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Metals Analysis By Method SW846 6010D

Matrix: AQ

Batch ID: MP44694

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD81956-3MS, JD81956-3MSD, JD81956-3SDL were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Manganese are outside control limits. Spike recovery indicates possible matrix interference.
- The serial dilution RPD(s) for Nickel, Chromium are outside control limits for sample MP44694-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP44694-SD1 for Manganese: Serial dilution indicates possible matrix interference.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Page 1 of 1

Job Number: JD82019
Account: SESI Consulting Engineers
Project: 10 Commerce Drive, New Rochelle, NY
Collected: 02/07/24



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD82019-1	MW-1D					
Chromium		14.6	10		ug/l	SW846 6010D
Copper		10.0	10		ug/l	SW846 6010D
JD82019-2	MW-3D					
Manganese		803	15		ug/l	SW846 6010D
JD82019-3	MW-5D					
Chloroform		1.1	1.0	0.50	ug/l	SW846 8260D
Total TIC, Semi-Volatile		3.3 J			ug/l	
Copper		20.2	10		ug/l	SW846 6010D
Lead		5.3	3.0		ug/l	SW846 6010D
Manganese		193	15		ug/l	SW846 6010D
JD82019-4	DUP20240207					
Total TIC, Semi-Volatile		3.1 J			ug/l	
Manganese		788	15		ug/l	SW846 6010D
JD82019-5	FB20240207					
Total TIC, Semi-Volatile		8.5 J			ug/l	
JD82019-6	TB20240207					
No hits reported in this sample.						

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1D	
Lab Sample ID:	JD82019-1	Date Sampled: 02/07/24
Matrix:	AQ - Ground Water	Date Received: 02/07/24
Method:	SW846 8260D	Percent Solids: n/a
Project:	10 Commerce Drive, New Rochelle, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1F9217.D	1	02/09/24 18:28	CF	n/a	n/a	V1F303
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) ^a	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform ^a	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-1D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-1	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	.82	23	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1D	
Lab Sample ID:	JD82019-1	
Matrix:	AQ - Ground Water	Date Sampled: 02/07/24
Method:	SW846 8270E SW846 3510C	Date Received: 02/07/24
Project:	10 Commerce Drive, New Rochelle, NY	Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	5P94041.D	1	02/12/24 13:29	JY	02/11/24 10:00	OP52342	E5P4496
Run #2							

	Initial Volume	Final Volume
Run #1	280 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	3.6	0.33	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	3.6	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.8	0.46	ug/l	
105-67-9	2,4-Dimethylphenol	ND	3.6	0.60	ug/l	
51-28-5	2,4-Dinitrophenol ^b	ND	3.6	1.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	3.6	1.4	ug/l	
95-48-7	2-Methylphenol	ND	1.8	0.42	ug/l	
	3&4-Methylphenol	ND	1.8	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	3.6	0.35	ug/l	
100-02-7	4-Nitrophenol	ND	7.1	0.40	ug/l	
87-86-5	Pentachlorophenol	ND	3.6	1.0	ug/l	
108-95-2	Phenol	ND	1.8	0.24	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	3.6	0.57	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	3.6	0.44	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	3.6	0.53	ug/l	
83-32-9	Acenaphthene	ND	0.89	0.55	ug/l	
208-96-8	Acenaphthylene	ND	0.89	0.38	ug/l	
98-86-2	Acetophenone	ND	1.8	0.46	ug/l	
120-12-7	Anthracene	ND	0.89	0.50	ug/l	
1912-24-9	Atrazine	ND	1.8	0.64	ug/l	
100-52-7	Benzaldehyde	ND	3.6	0.39	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.89	0.46	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.89	0.56	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.89	0.51	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.89	0.57	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.89	0.43	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.8	0.49	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.8	0.77	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.89	0.53	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.8	0.39	ug/l	
106-47-8	4-Chloroaniline	ND	3.6	0.48	ug/l	
86-74-8	Carbazole	ND	0.89	0.51	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-1	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam ^b	ND	1.8	0.31	ug/l	
218-01-9	Chrysene	ND	0.89	0.46	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.8	0.41	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.8	0.38	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	1.8	0.44	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.8	0.53	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.89	0.49	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.89	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^b	ND	1.8	0.98	ug/l	
123-91-1	1,4-Dioxane	ND	0.89	0.16	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.89	0.45	ug/l	
132-64-9	Dibenzofuran	ND	3.6	0.65	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.8	0.48	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.8	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	1.8	0.52	ug/l	
131-11-3	Dimethyl phthalate	ND	1.8	0.49	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.8	1.2	ug/l	
206-44-0	Fluoranthene	ND	0.89	0.51	ug/l	
86-73-7	Fluorene	ND	0.89	0.53	ug/l	
118-74-1	Hexachlorobenzene	ND	0.89	0.48	ug/l	
87-68-3	Hexachlorobutadiene ^c	ND	0.89	0.31	ug/l	
77-47-4	Hexachlorocyclopentadiene ^c	ND	7.1	0.88	ug/l	
67-72-1	Hexachloroethane	ND	1.8	0.49	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.89	0.57	ug/l	
78-59-1	Isophorone	ND	1.8	0.35	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.89	0.58	ug/l	
88-74-4	2-Nitroaniline	ND	3.6	0.55	ug/l	
99-09-2	3-Nitroaniline	ND	3.6	0.57	ug/l	
100-01-6	4-Nitroaniline ^b	ND	3.6	0.67	ug/l	
91-20-3	Naphthalene	ND	0.89	0.39	ug/l	
98-95-3	Nitrobenzene	ND	1.8	0.38	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.8	0.58	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	3.6	0.38	ug/l	
85-01-8	Phenanthrene	ND	0.89	0.43	ug/l	
129-00-0	Pyrene	ND	0.89	0.44	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.8	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		10-69%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-1	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	44%		10-47%
118-79-6	2,4,6-Tribromophenol	90%		17-144%
4165-60-0	Nitrobenzene-d5	73%		17-126%
321-60-8	2-Fluorobiphenyl	67%		23-124%
1718-51-0	Terphenyl-d14	80%		13-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM te	3.55	29	ug/l	J
	System artifact	3.63	7.1	ug/l	J
	Internal standard added for SIM test	4.59	3.4	ug/l	J
	Internal standard added for SIM te	5.61	3.3	ug/l	J
	Internal standard added for SIM test	7.44	3.7	ug/l	J
	Unknown phthalate	9.47	3.8	ug/l	JB
	Internal standard added for SIM test	10.07	4.3	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

- (a) Associated BS outside control limits. BSD within inhouse QC control limits.
- (b) Associated CCV outside of control limits high, sample was ND.
- (c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-1	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E BY SIM SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5842.D	1	02/12/24 10:53	KM	02/11/24 10:00	OP52342A	ECR274
Run #2							

	Initial Volume	Final Volume
Run #1	280 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.27	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		29-124%
321-60-8	2-Fluorobiphenyl	57%		23-122%
1718-51-0	Terphenyl-d14	65%		22-130%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

4.1
4

Report of Analysis

Client Sample ID:	MW-1D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-1	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Chromium	14.6	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Copper	10.0	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Manganese	< 15	15	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA55534
- (2) Prep QC Batch: MP44694

RL = Reporting Limit

4.1
4

Report of Analysis

Client Sample ID:	MW-3D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-2	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2F9218.D	1	02/09/24 18:45	CF	n/a	n/a	V2F303
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) ^a	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform ^b	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-3D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-2	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^a	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		80-120%
17060-07-0	1,2-Dichloroethane-D4	89%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	.83	27	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND. This compound in blank spike is outside in house QC limits bias low.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW-3D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-2	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	5P94042.D	1	02/12/24 13:50	JY	02/11/24 10:00	OP52342	E5P4496
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	3.3	0.31	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	3.3	0.44	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.7	0.43	ug/l	
105-67-9	2,4-Dimethylphenol	ND	3.3	0.56	ug/l	
51-28-5	2,4-Dinitrophenol ^b	ND	3.3	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	3.3	1.3	ug/l	
95-48-7	2-Methylphenol	ND	1.7	0.39	ug/l	
	3&4-Methylphenol	ND	1.7	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	3.3	0.33	ug/l	
100-02-7	4-Nitrophenol	ND	6.7	0.38	ug/l	
87-86-5	Pentachlorophenol	ND	3.3	0.97	ug/l	
108-95-2	Phenol	ND	1.7	0.22	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	3.3	0.53	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	3.3	0.41	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	3.3	0.49	ug/l	
83-32-9	Acenaphthene	ND	0.83	0.51	ug/l	
208-96-8	Acenaphthylene	ND	0.83	0.35	ug/l	
98-86-2	Acetophenone	ND	1.7	0.43	ug/l	
120-12-7	Anthracene	ND	0.83	0.46	ug/l	
1912-24-9	Atrazine	ND	1.7	0.60	ug/l	
100-52-7	Benzaldehyde	ND	3.3	0.36	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.83	0.43	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.83	0.52	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.83	0.47	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.83	0.53	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.83	0.40	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.7	0.46	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.7	0.72	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.83	0.49	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.7	0.36	ug/l	
106-47-8	4-Chloroaniline	ND	3.3	0.44	ug/l	
86-74-8	Carbazole	ND	0.83	0.48	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-2	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam ^b	ND	1.7	0.29	ug/l	
218-01-9	Chrysene	ND	0.83	0.43	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.7	0.38	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.7	0.36	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	1.7	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.7	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.83	0.46	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.83	0.47	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^b	ND	1.7	0.91	ug/l	
123-91-1	1,4-Dioxane	ND	0.83	0.15	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.83	0.42	ug/l	
132-64-9	Dibenzofuran	ND	3.3	0.61	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.7	0.44	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.7	1.4	ug/l	
84-66-2	Diethyl phthalate	ND	1.7	0.48	ug/l	
131-11-3	Dimethyl phthalate	ND	1.7	0.46	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.7	1.1	ug/l	
206-44-0	Fluoranthene	ND	0.83	0.48	ug/l	
86-73-7	Fluorene	ND	0.83	0.49	ug/l	
118-74-1	Hexachlorobenzene	ND	0.83	0.45	ug/l	
87-68-3	Hexachlorobutadiene ^c	ND	0.83	0.29	ug/l	
77-47-4	Hexachlorocyclopentadiene ^c	ND	6.7	0.82	ug/l	
67-72-1	Hexachloroethane	ND	1.7	0.46	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.83	0.53	ug/l	
78-59-1	Isophorone	ND	1.7	0.33	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.83	0.54	ug/l	
88-74-4	2-Nitroaniline	ND	3.3	0.51	ug/l	
99-09-2	3-Nitroaniline	ND	3.3	0.53	ug/l	
100-01-6	4-Nitroaniline ^b	ND	3.3	0.62	ug/l	
91-20-3	Naphthalene	ND	0.83	0.37	ug/l	
98-95-3	Nitrobenzene	ND	1.7	0.35	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.7	0.54	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	3.3	0.35	ug/l	
85-01-8	Phenanthrene	ND	0.83	0.40	ug/l	
129-00-0	Pyrene	ND	0.83	0.41	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.7	0.40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		10-69%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-2	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-47%
118-79-6	2,4,6-Tribromophenol	61%		17-144%
4165-60-0	Nitrobenzene-d5	48%		17-126%
321-60-8	2-Fluorobiphenyl	44%		23-124%
1718-51-0	Terphenyl-d14	57%		13-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	3.55	27	ug/l	J
	System artifact	3.63	6.1	ug/l	J
	Internal standard added for SIM test	4.59	3.1	ug/l	J
	Internal standard added for SIM test	5.60	3	ug/l	J
	Internal standard added for SIM test	7.44	3.4	ug/l	J
	Unknown phthalate	9.47	3.5	ug/l	JB
	Internal standard added for SIM test	10.07	3.5	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

- (a) Associated BS outside control limits. BSD within inhouse QC control limits.
- (b) Associated CCV outside of control limits high, sample was ND.
- (c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-2	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E BY SIM SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5843.D	1	02/12/24 11:14	KM	02/11/24 10:00	OP52342A	ECR274
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.25	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	38%		29-124%
321-60-8	2-Fluorobiphenyl	38%		23-122%
1718-51-0	Terphenyl-d14	47%		22-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-2	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Chromium	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Copper	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Manganese	803	15	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA55534
(2) Prep QC Batch: MP44694

RL = Reporting Limit

4.2
4

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-5D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-3	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB9374.D	1	02/12/24 12:58	NW	n/a	n/a	VGB283
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^b	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	1.1	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-5D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-3	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		80-120%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW-5D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-3	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	5P94043.D	1	02/12/24 14:12	JY	02/11/24 10:00	OP52342	E5P4496
Run #2							

	Initial Volume	Final Volume
Run #1	280 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	3.6	0.33	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	3.6	0.47	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.8	0.46	ug/l	
105-67-9	2,4-Dimethylphenol	ND	3.6	0.60	ug/l	
51-28-5	2,4-Dinitrophenol ^b	ND	3.6	1.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	3.6	1.4	ug/l	
95-48-7	2-Methylphenol	ND	1.8	0.42	ug/l	
	3&4-Methylphenol	ND	1.8	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	3.6	0.35	ug/l	
100-02-7	4-Nitrophenol	ND	7.1	0.40	ug/l	
87-86-5	Pentachlorophenol	ND	3.6	1.0	ug/l	
108-95-2	Phenol	ND	1.8	0.24	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	3.6	0.57	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	3.6	0.44	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	3.6	0.53	ug/l	
83-32-9	Acenaphthene	ND	0.89	0.55	ug/l	
208-96-8	Acenaphthylene	ND	0.89	0.38	ug/l	
98-86-2	Acetophenone	ND	1.8	0.46	ug/l	
120-12-7	Anthracene	ND	0.89	0.50	ug/l	
1912-24-9	Atrazine	ND	1.8	0.64	ug/l	
100-52-7	Benzaldehyde	ND	3.6	0.39	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.89	0.46	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.89	0.56	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.89	0.51	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.89	0.57	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.89	0.43	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.8	0.49	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.8	0.77	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.89	0.53	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.8	0.39	ug/l	
106-47-8	4-Chloroaniline	ND	3.6	0.48	ug/l	
86-74-8	Carbazole	ND	0.89	0.51	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-5D
Lab Sample ID: JD82019-3
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: 10 Commerce Drive, New Rochelle, NY

Date Sampled: 02/07/24

Date Received: 02/07/24

Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam ^b	ND	1.8	0.31	ug/l	
218-01-9	Chrysene	ND	0.89	0.46	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.8	0.41	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.8	0.38	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	1.8	0.44	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.8	0.53	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.89	0.49	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.89	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^b	ND	1.8	0.98	ug/l	
123-91-1	1,4-Dioxane	ND	0.89	0.16	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.89	0.45	ug/l	
132-64-9	Dibenzofuran	ND	3.6	0.65	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.8	0.48	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.8	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	1.8	0.52	ug/l	
131-11-3	Dimethyl phthalate	ND	1.8	0.49	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.8	1.2	ug/l	
206-44-0	Fluoranthene	ND	0.89	0.51	ug/l	
86-73-7	Fluorene	ND	0.89	0.53	ug/l	
118-74-1	Hexachlorobenzene	ND	0.89	0.48	ug/l	
87-68-3	Hexachlorobutadiene ^c	ND	0.89	0.31	ug/l	
77-47-4	Hexachlorocyclopentadiene ^c	ND	7.1	0.88	ug/l	
67-72-1	Hexachloroethane	ND	1.8	0.49	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.89	0.57	ug/l	
78-59-1	Isophorone	ND	1.8	0.35	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.89	0.58	ug/l	
88-74-4	2-Nitroaniline	ND	3.6	0.55	ug/l	
99-09-2	3-Nitroaniline	ND	3.6	0.57	ug/l	
100-01-6	4-Nitroaniline ^b	ND	3.6	0.67	ug/l	
91-20-3	Naphthalene	ND	0.89	0.39	ug/l	
98-95-3	Nitrobenzene	ND	1.8	0.38	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.8	0.58	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	3.6	0.38	ug/l	
85-01-8	Phenanthrene	ND	0.89	0.43	ug/l	
129-00-0	Pyrene	ND	0.89	0.44	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.8	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		10-69%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-3	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	43%		10-47%
118-79-6	2,4,6-Tribromophenol	97%		17-144%
4165-60-0	Nitrobenzene-d5	83%		17-126%
321-60-8	2-Fluorobiphenyl	75%		23-124%
1718-51-0	Terphenyl-d14	84%		13-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	3.55	29	ug/l	J
	System artifact	3.63	4.9	ug/l	J
	Internal standard added for SIM test	4.59	3.5	ug/l	J
	Internal standard added for SIM test	5.60	4.1	ug/l	J
	Alkane	6.26	3.3	ug/l	J
	Internal standard added for SIM te	7.44	4.5	ug/l	J
	Unknown phthalate	9.47	4.1	ug/l	JB
	Internal standard added for SIM test	10.07	6	ug/l	J
	Total TIC, Semi-Volatile		3.3	ug/l	J

- (a) Associated BS outside control limits. BSD within inhouse QC control limits.
- (b) Associated CCV outside of control limits high, sample was ND.
- (c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5D		
Lab Sample ID:	JD82019-3	Date Sampled:	02/07/24
Matrix:	AQ - Ground Water	Date Received:	02/07/24
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5844.D	1	02/12/24 11:36	KM	02/11/24 10:00	OP52342A	ECR274
Run #2							

	Initial Volume	Final Volume
Run #1	280 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.27	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		29-124%
321-60-8	2-Fluorobiphenyl	62%		23-122%
1718-51-0	Terphenyl-d14	67%		22-130%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5D	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-3	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Chromium	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Copper	20.2	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Lead	5.3	3.0	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Manganese	193	15	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²

(1) Instrument QC Batch: MA55534
(2) Prep QC Batch: MP44694

RL = Reporting Limit

4.3
4

Report of Analysis

Client Sample ID:	DUP20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-4	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2F9220.D	1	02/09/24 19:20	CF	n/a	n/a	V2F303
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) ^a	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform ^b	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	DUP20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-4	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^a	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	.83	27	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND. This compound in blank spike is outside in house QC limits bias low.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	DUP20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-4	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	5P94044.D	1	02/12/24 14:33	JY	02/11/24 10:00	OP52342	E5P4496
Run #2							

	Initial Volume	Final Volume
Run #1	290 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	3.4	0.32	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	3.4	0.46	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.7	0.45	ug/l	
105-67-9	2,4-Dimethylphenol	ND	3.4	0.58	ug/l	
51-28-5	2,4-Dinitrophenol ^b	ND	3.4	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	3.4	1.3	ug/l	
95-48-7	2-Methylphenol	ND	1.7	0.40	ug/l	
	3&4-Methylphenol	ND	1.7	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	3.4	0.34	ug/l	
100-02-7	4-Nitrophenol	ND	6.9	0.39	ug/l	
87-86-5	Pentachlorophenol	ND	3.4	1.0	ug/l	
108-95-2	Phenol	ND	1.7	0.23	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	3.4	0.55	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	3.4	0.42	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	3.4	0.51	ug/l	
83-32-9	Acenaphthene	ND	0.86	0.53	ug/l	
208-96-8	Acenaphthylene	ND	0.86	0.37	ug/l	
98-86-2	Acetophenone	ND	1.7	0.44	ug/l	
120-12-7	Anthracene	ND	0.86	0.48	ug/l	
1912-24-9	Atrazine	ND	1.7	0.62	ug/l	
100-52-7	Benzaldehyde	ND	3.4	0.38	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.86	0.44	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.86	0.54	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.86	0.49	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.86	0.55	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.86	0.41	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.7	0.47	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.7	0.74	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.86	0.51	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.7	0.37	ug/l	
106-47-8	4-Chloroaniline	ND	3.4	0.46	ug/l	
86-74-8	Carbazole	ND	0.86	0.50	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-4	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam ^b	ND	1.7	0.30	ug/l	
218-01-9	Chrysene	ND	0.86	0.45	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.7	0.39	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.7	0.37	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	1.7	0.43	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.7	0.51	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.86	0.47	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.86	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^b	ND	1.7	0.94	ug/l	
123-91-1	1,4-Dioxane	ND	0.86	0.16	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.86	0.43	ug/l	
132-64-9	Dibenzofuran	ND	3.4	0.63	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.7	0.46	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.7	1.4	ug/l	
84-66-2	Diethyl phthalate	ND	1.7	0.50	ug/l	
131-11-3	Dimethyl phthalate	ND	1.7	0.47	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.7	1.1	ug/l	
206-44-0	Fluoranthene	ND	0.86	0.50	ug/l	
86-73-7	Fluorene	ND	0.86	0.51	ug/l	
118-74-1	Hexachlorobenzene	ND	0.86	0.47	ug/l	
87-68-3	Hexachlorobutadiene ^c	ND	0.86	0.30	ug/l	
77-47-4	Hexachlorocyclopentadiene ^c	ND	6.9	0.84	ug/l	
67-72-1	Hexachloroethane	ND	1.7	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.86	0.55	ug/l	
78-59-1	Isophorone	ND	1.7	0.34	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.86	0.56	ug/l	
88-74-4	2-Nitroaniline	ND	3.4	0.53	ug/l	
99-09-2	3-Nitroaniline	ND	3.4	0.55	ug/l	
100-01-6	4-Nitroaniline ^b	ND	3.4	0.64	ug/l	
91-20-3	Naphthalene	ND	0.86	0.38	ug/l	
98-95-3	Nitrobenzene	ND	1.7	0.36	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.7	0.56	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	3.4	0.37	ug/l	
85-01-8	Phenanthrene	ND	0.86	0.42	ug/l	
129-00-0	Pyrene	ND	0.86	0.43	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.7	0.42	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		10-69%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-4	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	37%		10-47%
118-79-6	2,4,6-Tribromophenol	87%		17-144%
4165-60-0	Nitrobenzene-d5	48%		17-126%
321-60-8	2-Fluorobiphenyl	46%		23-124%
1718-51-0	Terphenyl-d14	76%		13-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	3.55	28	ug/l	J
	System artifact	3.63	6	ug/l	J
	Internal standard added for SIM test	4.59	3.2	ug/l	J
	Internal standard added for SIM test	5.60	3.6	ug/l	J
	Alkane	7.34	3.1	ug/l	J
	Internal standard added for SIM test	7.44	3.2	ug/l	J
	Unknown phthalate	9.47	8	ug/l	JB
	Internal standard added for SIM test	10.07	3.9	ug/l	J
	Total TIC, Semi-Volatile		3.1	ug/l	J

- (a) Associated BS outside control limits. BSD within inhouse QC control limits.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP20240207		
Lab Sample ID:	JD82019-4	Date Sampled:	02/07/24
Matrix:	AQ - Ground Water	Date Received:	02/07/24
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5845.D	1	02/12/24 11:58	KM	02/11/24 10:00	OP52342A	ECR274
Run #2							

	Initial Volume	Final Volume
Run #1	290 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.26	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	41%		29-124%
321-60-8	2-Fluorobiphenyl	39%		23-122%
1718-51-0	Terphenyl-d14	59%		22-130%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

4.4
4

Report of Analysis

Client Sample ID:	DUP20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-4	Date Received:	02/07/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Chromium	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Copper	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Manganese	788	15	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²

(1) Instrument QC Batch: MA55534
(2) Prep QC Batch: MP44694

RL = Reporting Limit

4.4
4

Report of Analysis

Client Sample ID:	FB20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-5	Date Received:	02/07/24
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1F9215.D	1	02/09/24 17:54	CF	n/a	n/a	V1F303
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) ^a	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform ^a	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-5	Date Received:	02/07/24
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		80-120%
17060-07-0	1,2-Dichloroethane-D4	87%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	.82	15	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-5	Date Received:	02/07/24
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

Run	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	5P94045.D	1	02/12/24 14:54	JY	02/11/24 10:00	OP52342	E5P4496
Run #2							

Run	Initial Volume	Final Volume
Run #1	300 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	3.3	0.31	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	3.3	0.44	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.7	0.43	ug/l	
105-67-9	2,4-Dimethylphenol	ND	3.3	0.56	ug/l	
51-28-5	2,4-Dinitrophenol ^b	ND	3.3	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	3.3	1.3	ug/l	
95-48-7	2-Methylphenol	ND	1.7	0.39	ug/l	
	3&4-Methylphenol	ND	1.7	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	3.3	0.33	ug/l	
100-02-7	4-Nitrophenol	ND	6.7	0.38	ug/l	
87-86-5	Pentachlorophenol	ND	3.3	0.97	ug/l	
108-95-2	Phenol	ND	1.7	0.22	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	3.3	0.53	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	3.3	0.41	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	3.3	0.49	ug/l	
83-32-9	Acenaphthene	ND	0.83	0.51	ug/l	
208-96-8	Acenaphthylene	ND	0.83	0.35	ug/l	
98-86-2	Acetophenone	ND	1.7	0.43	ug/l	
120-12-7	Anthracene	ND	0.83	0.46	ug/l	
1912-24-9	Atrazine	ND	1.7	0.60	ug/l	
100-52-7	Benzaldehyde	ND	3.3	0.36	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.83	0.43	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.83	0.52	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.83	0.47	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.83	0.53	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.83	0.40	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.7	0.46	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.7	0.72	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.83	0.49	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.7	0.36	ug/l	
106-47-8	4-Chloroaniline	ND	3.3	0.44	ug/l	
86-74-8	Carbazole	ND	0.83	0.48	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-5	Date Received:	02/07/24
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam ^b	ND	1.7	0.29	ug/l	
218-01-9	Chrysene	ND	0.83	0.43	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.7	0.38	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.7	0.36	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	1.7	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.7	0.50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.83	0.46	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.83	0.47	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^b	ND	1.7	0.91	ug/l	
123-91-1	1,4-Dioxane	ND	0.83	0.15	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.83	0.42	ug/l	
132-64-9	Dibenzofuran	ND	3.3	0.61	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.7	0.44	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.7	1.4	ug/l	
84-66-2	Diethyl phthalate	ND	1.7	0.48	ug/l	
131-11-3	Dimethyl phthalate	ND	1.7	0.46	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.7	1.1	ug/l	
206-44-0	Fluoranthene	ND	0.83	0.48	ug/l	
86-73-7	Fluorene	ND	0.83	0.49	ug/l	
118-74-1	Hexachlorobenzene	ND	0.83	0.45	ug/l	
87-68-3	Hexachlorobutadiene ^c	ND	0.83	0.29	ug/l	
77-47-4	Hexachlorocyclopentadiene ^c	ND	6.7	0.82	ug/l	
67-72-1	Hexachloroethane	ND	1.7	0.46	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.83	0.53	ug/l	
78-59-1	Isophorone	ND	1.7	0.33	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.83	0.54	ug/l	
88-74-4	2-Nitroaniline	ND	3.3	0.51	ug/l	
99-09-2	3-Nitroaniline	ND	3.3	0.53	ug/l	
100-01-6	4-Nitroaniline ^b	ND	3.3	0.62	ug/l	
91-20-3	Naphthalene	ND	0.83	0.37	ug/l	
98-95-3	Nitrobenzene	ND	1.7	0.35	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.7	0.54	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	3.3	0.35	ug/l	
85-01-8	Phenanthrene	ND	0.83	0.40	ug/l	
129-00-0	Pyrene	ND	0.83	0.41	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.7	0.40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	53%		10-69%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-5	Date Received:	02/07/24
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	36%		10-47%
118-79-6	2,4,6-Tribromophenol	74%		17-144%
4165-60-0	Nitrobenzene-d5	68%		17-126%
321-60-8	2-Fluorobiphenyl	64%		23-124%
1718-51-0	Terphenyl-d14	65%		13-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
13798-23-7	Internal standard added for SIM test	3.55	27	ug/l	J
	Internal standard added for SIM test	4.59	3.2	ug/l	J
	Sulfur	5.47	3.2	ug/l	JN
	Internal standard added for SIM test	5.60	3.5	ug/l	J
	Unknown	7.35	5.3	ug/l	J
	Internal standard added for SIM test	7.45	7.2	ug/l	J
	Alkane	8.39	3.6	ug/l	JB
	Alkane	8.72	4.5	ug/l	JB
	Alkane	9.03	4.9	ug/l	JB
	Alkane	9.32	5.1	ug/l	JB
	Unknown phthalate	9.48	10	ug/l	JB
	Alkane	9.62	4.4	ug/l	JB
	Alkane	9.91	3.7	ug/l	JB
	Internal standard added for SIM test	10.07	3.8	ug/l	J
	Total TIC, Semi-Volatile		8.5	ug/l	J

- (a) Associated BS outside control limits. BSD within inhouse QC control limits.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-5	Date Received:	02/07/24
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270E BY SIM SW846 3510C		
Project:	10 Commerce Drive, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5846.D	1	02/12/24 12:19	KM	02/11/24 10:00	OP52342A	ECR274
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.25	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		29-124%
321-60-8	2-Fluorobiphenyl	54%		23-122%
1718-51-0	Terphenyl-d14	59%		22-130%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-5	Date Received:	02/07/24
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Project:	10 Commerce Drive, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Chromium	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Copper	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Lead	< 3.0	3.0	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Manganese	< 15	15	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²
Nickel	< 10	10	ug/l	1	02/09/24	02/13/24 KP	SW846 6010D ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA55534
(2) Prep QC Batch: MP44694

RL = Reporting Limit

4.5
4

Report of Analysis

Client Sample ID:	TB20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-6	Date Received:	02/07/24
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2F9216.D	1	02/09/24 18:11	CF	n/a	n/a	V2F303
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) ^a	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform ^b	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	TB20240207	Date Sampled:	02/07/24
Lab Sample ID:	JD82019-6	Date Received:	02/07/24
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	10 Commerce Drive, New Rochelle, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^a	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		80-120%
17060-07-0	1,2-Dichloroethane-D4	90%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	.83	18	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND. This compound in blank spike is outside in house QC limits bias low.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

Page 1 of 1

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

GW

FD-EX Tracking # 12421 Sample Control # KR-02124-155
SGS Quote # JD82019 SGS Job # JD82019

Client / Reporting Information
Company Name: SES
Address: 15915116E
City: New Rochelle State: NY Zip: 10801
Project Contact: John J. Jones Email: jjones@ses.com
Phone: 9138089080 Project Manager: John J. Jones

Project Information
Project Name: 10 Commerce
Billing Information (if different from Report to):
Company Name: CLIENT
Street Address: 10 Commerce City: New Rochelle State: NY Zip: 10801

Requested Analysis
Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

Number of preserved Bottles
pH Check (Lab Use Only)

LAB USE ONLY
Initial Assessment: NB3B
Label Verification: 1

Turn Around Time (Business Days)
Approved By (SGS PM): / Date: SES
* Approval needed for 1-3 Business Day TAT

Deliverable
Commercial "A" (Level 1)
Commercial "B" (Level 2)
NJ Reduced (Level 3)
Full Tier 1 (Level 4)
Commercial "C"
NJ DKQP

NYASP Category A
NYASP Category B
MA MCP Criteria
CT RCP Criteria
State Forms
EDD Format

DOQ/MSMS
* 2x260mL NP

SGS COURIER

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Received By: John J. Jones Date / Time: 2/7/24 10:48
Relinquished By: John J. Jones Date / Time: 2/7/24 18:43
Received By: John J. Jones Date / Time: 2/7/24 18:43
Relinquished By: John J. Jones Date / Time: 2/7/24 18:43

Custody Seal # 23-1B
Intact ☒ Not intact ☐ Absent ☐

Therm ID: 1843
On Ice ☐ Cooler Temp. °C 4.2

JD82019: Chain of Custody

Page 1 of 2



SGS Sample Receipt Summary

Job Number: JD82019

Client: SESI CONSULTING ENGINEERS

Project: 10 COMMERCE DRIVE, NEW ROCHELLE,

Date / Time Received: 2/7/2024 6:43:00 PM

Delivery Method: SGS

Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (1.2);

Cooler Temps (Corrected) °C: Cooler 1: ();

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR-40 Plastic | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | ☒ | ☐ | ☐ |
| 2. Trip Blank listed on COC: | ☒ | ☐ | ☐ |
| 3. Samples preserved properly: | ☒ | ☐ | ☐ |
| 4. VOCs headspace free: | ☒ | ☐ | ☐ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s:

pH 1-12: 231619

pH 12+: 203117A

Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD82019: Chain of Custody

Page 2 of 2

Appendix E:

NYSDEC IC & EC Certification Form



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site No.	C360192	Site Details	Box 1
Site Name 10 Commerce Drive Rail Yard			
Site Address: 10 Commerce Drive		Zip Code: 14614	
City/Town: New Rochelle			
County: Westchester			
Site Acreage: 0.965			
Reporting Period: April 23, 2024 to April 23, 2025			
			YES NO
1.	Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.			
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.			
5.	Is the site currently undergoing development?	☐	☒

			Box 2
			YES NO
6.	Is the current site use consistent with the use(s) listed below? Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial	☒	☐
7.	Are all ICs in place and functioning as designed?	☒	☐

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C360192**Box 3****Description of Institutional Controls**ParcelOwnerInstitutional Control**1-238-0005 (portion of)**

BRP 10 Commerce LLC

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan

Imposition of an institutional control in the form of an environmental easement for the controlled property which will:

- require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375- 1.8 (h)(3);
- allow the use and development of the controlled property for residential use or restricted residential use or commercial use or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
- require compliance with the Department approved Site Management Plan.

Box 4**Description of Engineering Controls**

None Required

Not Applicable/No EC's

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

NOTE APPLICABLE / No ECs

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☐ ☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

STC8
Signature of Owner, Remedial Party or Designated Representative

12/2/253
Date

**IC CERTIFICATIONS
SITE NO. C360192**

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Steven C. Smith at 100 Park Avenue, 36th Floor, NY, NY 10017,
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.



Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

- I. Executive Summary: (1/2-page or less)
 - A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
 - B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
 - 1. progress made during the reporting period toward meeting the remedial objectives for the site
 - 2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
 - C. Compliance
 - 1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
 - 2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
 - D. Recommendations
 - 1. recommend whether any changes to the SMP are needed
 - 2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
 - 3. recommend whether the requirements for discontinuing site management have been met.
- II. Site Overview (one page or less)
 - A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
 - B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.
- III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations should be presented simply and concisely.
- IV. IC/EC Plan Compliance Report (if applicable)
 - A. IC/EC Requirements and Compliance
 - 1. Describe each control, its objective, and how performance of the control is evaluated.
 - 2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
 - 3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
 - 4. Conclusions and recommendations for changes.
 - B. IC/EC Certification
 - 1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).
- V. Monitoring Plan Compliance Report (if applicable)
 - A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
 - B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
 - C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
 - D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
 - E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.
- VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
 - A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
 - B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
 - C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

- D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.
- E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

- A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
 - 1. whether all requirements of each plan were met during the reporting period
 - 2. any requirements not met
 - 3. proposed plans and a schedule for coming into full compliance.
- B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.
- C. Future PRR Submittals
 - 1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
 - 2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.