December 19, 2024

Mr. Steven Scharf, P.E.
Project Engineer, Division of Environmental Remediation
New York State Department of Environmental Conservation
Remedial Bureau A
625 Broadway, 12th Floor
Albany, New York 12233-7015

RE: OU-2 October 2024 Groundwater Monitoring Report
Former Friedrichsohn Cooperage Site
153-155 Saratoga Avenue, Waterford, New York
NYSDEC Site No. 546045
CHA Project Number: 060017.000

Dear Mr. Scharf:

CHA Consulting Inc. (CHA) has prepared this letter report to summarize the activities and findings associated with the October 2024 groundwater monitoring event following remedial construction activities associated with the Former Friedrichsohn Cooperage Site in Waterford, New York (Site). This event represents the fourth monitoring event since the completion of the remediation associated with Operable Unit (OU) Nos. 1 and 3. Figure 1 depicts the general vicinity of the Site. The groundwater monitoring event was completed in accordance with CHA's *Former Friedrichsohn Cooperage OU-2 Groundwater Monitoring Plan*, dated July 5, 2022, and approved by the New York State Department of Environmental Conservation (NYSDEC) in its letter dated July 12, 2022.

GROUNDWATER SAMPLING METHODS

The current groundwater monitoring well network consists of seven monitoring wells installed in the fall of 2022 and spring of 2023 (MW-100, MW-101B, MW-102, MW-102B, MW-103, MW-103B, and MW-104) and two previously installed monitoring wells (wells MW-2 and MW-2S) located on the northwest side of Saratoga Avenue (in the parking lot of St. Peter's Health Partners Waterford Health Center located at 158 Saratoga Avenue).

CHA conducted the fourth quarter 2024 groundwater sampling event on October 23 and 24, 2024. Before purging and sampling, the depth to water was measured at each groundwater monitoring well to the nearest 0.01 foot with a Heron Instruments Inc. water level meter. Purging and sampling of the monitoring wells were conducted using a submersible pump capable of low-flow, minimal drawdown purging, and sampling. Field water quality parameters including pH, temperature, turbidity, dissolved oxygen, specific conductance, and oxidation-reduction potential (ORP) were measured using a YSI ProDSS multiparameter water quality meter equipped with a flow-through cell and recorded on the forms included in Attachment 1. After three consecutive readings where the water parameters were stabilized according to the work plan, a groundwater sample was collected from dedicated tubing within each well.

Following the NYSDEC's review of the May 2023 Groundwater Monitoring Report and the elevated metal concentrations in the samples, the Department requested CHA to field filter the groundwater samples for dissolved metals analysis in addition to collecting samples for analysis of total metals. Generally, turbidity was found to be higher in the bedrock monitoring wells. Elevated turbidity was noted in monitoring wells MW-101B, MW-103B, and MW-104.

Following collection, the groundwater samples were packed into coolers with ice and transported to Pace Analytical Services, LLC (Pace), which is certified under the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP). The water samples were submitted to the laboratory for the following analyses:

- Volatile Organic Compounds (VOCs) via Environmental Protection Agency (EPA) Method 8260C;
- Semivolatile Organic Compounds (SVOCs) via EPA Method 8270D;
- Polychlorinated Biphenyls (PCBs) via EPA Method 8082;
- Target Analyte List (TAL) Metals via EPA Methods 6010/7471;
- Dissolved Iron via EPA Method 6020;
- Total Organic Carbon (TOC) via EPA Method SM2320;
- Nitrate via EPA Method 353.2;
- Alkalinity via EPA Method 2320;
- Ammonia via EPA Method 350.1; and,
- Sulfate via EPA Method 9038.

For quality assurance purposes during the October 2024 event, one blind duplicate (DUP-1-20241023) was collected from monitoring well MW-103, and a matrix spike/matrix spike duplicate (MS/MSD-20241023) sample set was collected at monitoring well MW-103B. Additionally, one trip blank was prepared by the laboratory and accompanied the sample containers throughout the sampling and transport processes for analysis of VOCs only.

After the completion of the groundwater sampling activities on October 24, 2024, CHA collected a sample of the drummed purge and decontamination water (WC-1-20240515). The sample was submitted to Pace for waste disposal characterization purposes. The containerized water was determined to be non-hazardous. Corbett Industrial Cleaning Services, Inc. (Corbett) picked up the drum on November 15, 2024 for offsite disposal. A copy of the manifest associated with the investigation-derived waste (IDW) can be found in Attachment 2.

GROUNDWATER FLOW DIRECTION

As shown on Figure 2, the shallow groundwater flow direction appears to be towards the east towards the Old Champlain Canal (OCC). Although the OCC was full at the time of the monitoring event, there was no obvious influence on the groundwater flow direction from the canal. Note that wells on the Mohawk Paper property were not gauged during this event and since the overburden wells along the southeast side of the Old Champlain Canal are parallel to the towpath, development of groundwater contours for this area was not possible.

The data for the bedrock wells was inconclusive with only three monitoring points. Although there appears to be a gradient to the east-southeast between wells MW-2 and MW-102B, the gradient

between wells MW-102B and MW-103B is reversed to the north. The erratic groundwater elevations in the bedrock wells are likely due to the different fracture intervals that are screened in the wells.

ANALYTICAL RESULTS

The groundwater monitoring results were compared to the TOGS 1.1.1 AWQS and guidance values and are presented in Table 1. The full laboratory analytical report is included in Attachment 3. The location of each monitoring well in addition to detected PCB, VOC, and SVOC parameters that exceed the AWQS are displayed in Figures 3 through 5, respectively. Note that the data qualifiers discussed in the following sections and presented in Table 1 incorporate third-party data validation by Alpha Geoscience of Clifton Park, New York. Data qualified with a "J" indicates an estimated value at a concentration between the method detection limit and the reporting limit. Other qualifiers are defined at the end of Table 1. The Data Validation Report is included in Attachment 4.

Upgradient Monitoring Wells

Two monitoring wells, MW-2 and MW-2S, are located across Saratoga Avenue, adjacent to the roadway and parking lot for Waterford Health Center, and serve as upgradient monitoring wells. MW-2S was dry during the sampling event and a sample was not collected. In summary:

- **PCBs:** No detections of PCBs exceeded the respective AWQS in the upgradient monitoring well MW-2.
- **VOCs:** No detections of VOCs exceeded the respective AWQS in the upgradient monitoring well MW-2.
- **SVOCs:** Multiple SVOCs were detected in the water sample collection from well MW-2 at concentrations exceeding the AWQS. However, all results were J-qualified, indicating that the results are estimated values as the results were detected at a concentration above the method detection limit (MDL) but below the reporting limit (RL).
- **Metals:** In well MW-2, manganese and sodium were detected at a concentration exceeding their AWQS. The detection of metals is not unexpected for groundwater in urban environments, particularly of total sodium in monitoring wells adjacent to roadways and parking lots. These parameters are not considered Site contaminants of concern and were not targeted for remediation of OU-1 and OU-3. The manganese and sodium concentrations were generally similar to past sampling events.

On-Site Monitoring Wells

Four monitoring wells are located on the Former Friedrichsohn Cooperage property and consist of the overburden monitoring wells MW-100, and MW-102 and the bedrock monitoring wells MW-101B and MW-102B.

- **PCBs:** PCBs were not detected in the on-site monitoring wells during the October 2024 monitoring event.
- **VOCs:** No VOCs were detected in exceedance of the AWQS in the on-site monitoring wells, except for the bedrock monitoring well MW-102B. In well MW-102B, the VOCs cis-1,2-dichloroethene and vinyl chloride were detected at concentrations of 94 µg/L and 580 µg/L, which is in excess of their AWQS of 5 µg/L and 2 µg/L, respectively. The same

VOCs were found in excess of the applicable AWQS at similar concentrations during the last three sampling events. In a review of the June 2017 groundwater monitoring data (samples collected by others), there were no monitoring wells in the vicinity of well MW-102B to compare historical VOC concentrations. In well MW-100, vinyl chloride was detected at a concentration of 0.11 µg/L which is below the AWQS of 2 µg/L. This detection was qualified with a "J" indicating an estimated value at a concentration between the method detection limit and the reporting limit.

Historically, VOCs detected in the former on-site monitoring wells included benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) with lower concentrations of trichloroethene. Trichloroethene can be reduced under natural conditions to daughter products including cis-1,2-dichloroethene and vinyl chloride. Generally, the results of the October 2024 monitoring event having no detections of BTEX compounds and the presence of daughter product trichloroethene suggests the remedy was successful and monitored natural attenuation is occurring at the Site.

- **SVOCs:** The SVOCs benzo(a)anthracene and benzo(b)fluoranthene were detected in exceedance of AWQS in the on-site monitoring well MW-100 at concentrations of 0.03 J µg/L and 0.04 J µg/L, respectively, which is excess of their AWQS of 0.002 µg/L. The SVOCs phenol was detected in exceedance of AWQS in the on-site monitoring well MW-102B at a concentration of 1.7 J, which is excess of the AWQS of 1 µg/L. All these detections were qualified with a "J" indicating an estimated value at a concentration between the method detection limit and the reporting limit. Low concentrations (below the AWQS) of fluoranthene, phenanthrene, and pyrene were detected at MW-100. Low concentrations (below the AWQS) of di-n-butylphthalate, 2-methylnaphthalene, and pentachlorophenol were detected at MW-101B. These low-level concentrations are all qualified with a "J" indicating the reported concentrations are estimated.

- **Metals:** Multiple total metals and dissolved iron were detected in exceedance of their respective AWQS in the on-site monitoring wells. The metals detected in excess of the AWQS during this event were generally similar to those from the May 2024 event and are comparable to the upgradient well MW-2. However, as noted previously, metals are not considered Site contaminants of concern.

Southeast Side of Canal Monitoring Wells

Three monitoring wells, MW-103, MW-103B, and MW-104, are located on the southeast side of the OCC, with wells MW-103 and MW-104 being overburden monitoring wells and well MW-103B being a bedrock monitoring well.

- **PCBs:** The PCB Aroclor 1242 was detected at concentrations of 1.33 µg/L, 0.195 µg/L, and 0.81 µg/L compared to the AWQS of 0.09 µg/L in monitoring wells MW-103, MW-103B, and MW-104, respectively. The results were slightly lower than the concentrations detected in the samples collected during the October 2023 and May 2024 monitoring event.

- **VOCs:** Low concentrations (below the AWQS) of 1,2-dichloroethane, chlorobenzene, and vinyl chloride were detected at MW-103. The VOCs benzene and chlorobenzene were detected in exceedance of AWQS in the bedrock monitoring well MW-103B at concentrations of 1.8 µg/L and 6.6 µg/L, which exceeds their AWQS of 1 µg/L and 5 µg/L, respectively, but is significantly lower than the concentrations detected in October 2023. Low-level, estimated concentrations (below the AWQS) of 1,2-dichloroethane and vinyl

chloride were also detected at MW-103B. The VOCs benzene, chlorobenzene, cis-1,2-dichloroethene, and vinyl chloride were detected in exceedance of AWQS in the overburden monitoring well MW-104 at concentrations of 1.3 µg/L, 19 µg/L, 190 µg/L, 210 µg/L, which exceeds their respective AWQS; however, the concentrations of cis-1,2-dichloroethene and vinyl chloride decreased in concentration significantly compared to the May 2024 sampling event. Low-level, estimated concentrations (below the AWQS) of 1,1-dichloroethene and 1,4-dichlorobenzene were also detected at MW-104.

- Monitoring well MW-104 was of particular interest for the increasing trend of cis-1,2-dichloroethene and vinyl chloride from May 2023 through May 2024. As suggested above, during the October 2024 sampling event, the concentration of both parameters decreased to a similar concentration or a concentration lower than the May 2023 groundwater sampling event.
- The presence of cis-1,2-dichloroethene and vinyl chloride with a highly negative oxidation-reduction potential (ORP) measured in the field suggests that natural biodegradation is occurring near the overburden wells.

- **SVOCs:** The SVOC indeno(1,2,3-cd)pyrene was detected in exceedance of AWQS in the overburden monitoring wells MW-103 and MW-104 at concentrations of 0.06 J µg/L, which is excess of the AWQS of 0.002 µg/L. Low-level, estimated concentrations (below the AWQS) of 2-chloronaphthalene, benzo(g,h,i)perylene, dibenzo(a,h)anthracene, naphthalene, and pentachlorophenol were detected in well MW-103. Low-level, estimated concentrations (below the AWQS) of acenaphthene, benzo(g,h,i)perylene, and fluoranthene were detected in well MW-104. Low-level, estimated concentrations (below the AWQS) of 2-methylnaphthalene, acenaphthene, and naphthalene were detected in well MW-103B.
- **Metals:** Multiple total metals and dissolved iron were detected in exceedance of their respective AWQS in the southeast side of the canal monitoring wells. The metals detected over the AWQS during this event were generally similar to those from the May 2024 event. However, as noted previously, metals are not considered Site contaminants of concern and were not targeted for remediation.

QA/QC Sampling and Data Validation

As previously noted, QA/QC sampling efforts included one blind duplicate (DUP-1-20241023), matrix spike and matrix spike duplicates (MS/MSD), and a trip blank accompanying the samples throughout the sampling and transport process. A Data Usability Summary Report (DUSR) was prepared by a third-party data validator, Alpha Geoscience, and is included in Attachment 4.

The following observations were made concerning the samples:

- The volatile results for vinyl chloride in samples MW-102B-20241024 and MW-104-20241023 were quantitated using data that were extrapolated beyond the highest calibration standard and flagged “E” by the laboratory. The results for vinyl chloride marked “E” in the undiluted samples were qualified as estimated (J).
- The volatile results for vinyl chloride were quantitated estimated (J) for samples MW-100-20241024, MW-103-20241023, MW-103B-20241023, DUP-1-20241023, and WC-1-20241024 because the %D for vinyl chloride was above the allowable maximum in the associated continuing calibration verification sample.

- The positive volatile result for chlorobenzene was qualified as “estimated” (J) for sample MW-103B-20241023 because relative percent difference for chlorobenzene was above the allowable maximum in the aqueous MS/MSD sample.
- The positive volatile result for acetone was qualified as “not detected” (U) for sample WC-1-20241024 because the level reported in the sample was not significantly greater than (more than 10 times) the highest associated blank level.
- The “not detected” semivolatile result for 3,3’-dichlorobenzidine was qualified as “rejected, unusable” (R) for sample MW-103B-20241023 because 2 of 2 percent recoveries for 3,3’-dichlorobenzidine were below QC limits and below 30% in the aqueous MS/MSD sample.
- The “not detected” semivolatile result for hexachlorocyclopentadiene were qualified as “estimated” (UJ) for all 9 groundwater samples and the field duplicate because 1 of 2 percent recoveries for hexachlorocyclopentadiene was below QC limits, but not below 30% in the associated LCS/LCSD.
- The “not detected” semivolatile result for 3,3’-dichlorobenzidine were qualified as “estimated” (UJ) for all groundwater samples and the field duplicate except sample MW-103B-20241023 because 2 of 2 percent recoveries for 3,3’-dichlorobenzidine were below QC limits, but not below 30% in the associated LCS/LCSD.
- The SIM semivolatile results for dibenzo(a,h)anthracene were quantitated estimated (J) for samples MW-103-20241023, MW-104-20241023, and MW-2-20241023 because the %Ds for dibenzo(a,h)anthracene were above the allowable maximum in the associated continuing calibration verification samples.
- Positive SIM semivolatile results for indeno(1,2,3-cd)pyrene were qualified as “estimated, biased high” (J+) for samples MW-103-20241023, MW-104-20241023, and MW-2-20241023 because 1 of 2 percent recoveries for indeno(1,2,3-cd)pyrene was above QC limits for the associated aqueous LCS/LCSD.
- The positive PCB results for Aroclor 1242 were qualified as “estimated, biased high” (J+) for samples MW-103B-20241023 and WC-1-20241024 because the %RPDs for dual column quantitation of Aroclor 1242 were above the allowable maximum, but not above 70% and the higher results were reported.
- The positive dissolved and total metal results for iron were qualified as “estimated” (J) in samples MW-101B-20241024 and MW-103B-20241023 because the dissolved concentrations were greater than the total concentrations plus 10%.
- For quality assurance /quality control purposes, a blind field duplicate sample, designated DUP-1-20241023, was collected from well MW-103 during this event. A relative percent difference (RPD) of less than 20 percent for reported concentrations of parameters between the original sample and the duplicate is considered acceptable. Most RPDs were within 20 percent, except for a few VOCs and SVOCs. However, these parameters with RPDs above 20 percent are estimated values.
- Along with the quality assurance /quality control samples, a trip blank accompanied the samples during the transportation process. The VOC acetone was detected in the trip blank but was not detected in any of the samples. Acetone is a common laboratory contaminant.

One parameter in a limited number of samples was rejected during the data validation process, as discussed below:

- The “not detected” semivolatile result for 3,3’-dichlorobenzidine was qualified as “rejected, unusable” (R) for sample MW-103B-20241023 because 2 of 2 percent recoveries for 3,3’-dichlorobenzidine were below QC limits and below 30% in the aqueous MS/MSD sample.

Changes to the qualifiers by the data validator were incorporated into Table 1 and signified by *italicized* values. Generally, the data were found to be acceptable and usable by the data validator with the changes to the qualifiers associated with a higher level of quantitative uncertainty and the rejected data discussed above.

CONCLUSIONS AND RECOMMENDATIONS

The results of the October 2024 sampling event indicate low levels of PCB, VOC, SVOC, and metal compounds in the groundwater remain post-remediation. However, compared to pre-remediation sampling, the concentrations are generally lower and most of the exceedances were in the bedrock or on the southeast side of the canal where active remediation was not performed. That said, the lower concentrations of the contaminants of concern in the bedrock water-bearing zone suggest that the remediation has had a positive impact on the bedrock water-bearing zone. Additionally, the May 2024 analytical results for the wells on the Mohawk Paper property located east of the OCC indicate that the VOC contamination observed near well MW-104 is not migrating significantly downgradient. Additionally, the VOC concentrations in well MW-104 decreased significantly in October 2024 when compared to previous monitoring events.

The *Former Friedrichsohn Cooperage OU-2 Groundwater Monitoring Plan* proposed two years of semi-annual groundwater monitoring to assess the potential for monitored natural attenuation as the proposed remedial alternative for OU-2. The October 2024 sampling event concludes the proposed semi-annual sampling. CHA and NYSDEC are currently in discussions regarding the remedial alternative for OU-2 and CHA will submit an alternatives analysis to the NYSDEC for decision-making purposes once NYSDEC provides feedback regarding OU-2. If ongoing groundwater monitoring is included as a component of the Proposed Remedial Action Plan, the frequency and parameters analyzed will be set forth at that time.

If you should have any questions or require additional information, please feel free to contact Scott Smith at (315) 257-7227 or ssmith2@chasolutions.com.

Sincerely,

Caroline Hurlburt
Scientist II

Scott M. Smith, P.E.
Vice President

CRH/sms

Attachments:

Table 1:	October 2024 Groundwater Monitoring Results (Detections Only)
Figure 1:	Site Location Map
Figure 2:	Groundwater Contour Map – Overburden Wells
Figure 3:	Groundwater Results – PCB Exceedances
Figure 4:	Groundwater Results – VOC Exceedances
Figure 5:	Groundwater Results – SVOC Exceedances
Attachment 1:	Field Water Quality Parameters During Groundwater Purging
Attachment 2:	Drum Removal Manifest
Attachment 3:	Analytical Laboratory Report
Attachment 4:	Data Validation Report

ecc: John Swartwout – NYSDEC
James Johnson – SI Group, Inc.
Bob Gibson – GE
Keith Cowan – CHA

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TABLES

Table 1 – October 2024 Groundwater Monitoring Results (Detections Only)

Table 1.
October 2024 Groundwater Monitoring Results - Detections Only
Former Friedrichsohn Cooperage
153-155 Saratoga Avenue
Waterford, New York

LOCATION			MW-2								MW-2S						
SAMPLE NAME			MW-2-20230524		WATER-MW-2-102023		WATER-MW-2-20240514		WATER-MW-2-20241023		MW-2S-20230524		WATER-MW-2S-102023		WATER-MW-2S-20240514		Insufficient water to sample
SAMPLING DATE			5/24/2023		10/20/2023		5/14/2024		10/23/2024		5/24/2023		10/20/2023		5/14/2024		
LAB SAMPLE ID			L2329262-02		L2362306-09		L2426911-08		L2462016-09		L2329262-01		L2362306-11		L2426911-09		
	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	
General Chemistry																	
Alkalinity, Total		mg CaCO3/L	*164*	*J+*	172		160		153		*104*	*J+*	NA		99.8		NA
Nitrogen, Ammonia		µg/L	1,810		*2,100*	*J*	*1,720*		1190		52	J	NA		96		NA
Nitrogen, Nitrate	10,000	µg/L	25	J	100	U	41	J	110		6,000		NA		5300		NA
Sulfate	250,000	µg/L	44,000		24,000		71,000		43000		26,000		NA		30000		NA
Total Organic Carbon		µg/L	460	J	310	J	440	J	660	J	740		NA		970		NA
Volatile Organics by GC/MS																	
1,1-Dichloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	NA
1,2-Dichloroethane	0.6	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	NA
1,4-Dichlorobenzene	3	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	NA
Acetone	50	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	NA
Benzene	1	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	NA
Chlorobenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	NA
Chloroform	7	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	1.7	J	0.77	J	0.93	J	NA
cis-1,2-Dichloroethene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	NA
Ethylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	NA
Methylene chloride	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	NA
Tetrachloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.43	J	0.56		0.54		NA
trans-1,2-Dichloroethene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	NA
Trichloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	NA
Vinyl chloride	2	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	NA
Semivolatile Organics by GC/MS																	
Bis(2-ethylhexyl)phthalate	5	µg/L	3	U	3	U	3	U	3	U	3	U	NA		3	U	NA
Caprolactam		µg/L	*46*	*J*	10	U	10	U	10	U	4.1	J	NA		10	U	NA
Di-n-butylphthalate	50	µg/L	5	U	0.7	J	5	U	5	U	5	U	NA		5	U	NA
Diethyl phthalate	50	µg/L	5	U	5	U	5	U	5	U	5	U	NA		5	U	NA
p-Chloro-m-cresol		µg/L	2	U	2	U	2	U	2	U	2	U	NA		2	U	NA
Phenol	1	µg/L	5	U	5	U	0.55	J	5	U	5	U	NA		NA		NA
Semivolatile Organics by GC/MS-SIM																	
2-Chloronaphthalene		µg/L	2	U	2	*U*	0.2	U	0.2	U	2	U	NA		0.03	J	NA
2-Methylnaphthalene		µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	NA		0.04	J	NA
Acenaphthene	20	µg/L	0.1	U	0.04	J	0.1	U	0.1	U	0.1	U	NA		0.02	J	NA
Acenaphthylene		µg/L	0.1	U	0.03	J	0.1	U	0.1	U	0.03	J	NA		0.03	J	NA
Anthracene	50	µg/L	0.1	U	*0.03*	*U*	*0.1*	*U*	0.1	U	0.03	J	NA		0.05	J	NA
Benzo(a)anthracene	0.002	µg/L	0.1	U	**0.03**	**J**	**0.03**	**J**	**0.04**	**J**	**0.26**		NA		**0.25**		NA
Benzo(a)pyrene	0	µg/L	**0.02**	**J**	0.1	U	**0.04**	**J**	**0.04**	**J**	**0.92**		NA		**0.73**		NA
Benzo(b)fluoranthene	0.002	µg/L	**0.03**	**J**	0.1	U	**0.06**	**J**	**0.08**	**J**	**1.5**		NA		**1.3**		NA
Benzo(ghi)perylene		µg/L	0.02	J	0.1	U	0.03	J	0.07	J	1.6		NA		1.2		NA
Benzo(k)fluoranthene	0.002	µg/L	**0.01**	**J**	0.1	U	**0.03**	**J**	**0.04**	**J**	**0.47**		NA		**0.4**		NA
Chrysene	0.002	µg/L	**0.02**	**J**	0.1	U	**0.04**	**J**	**0.03**	**J**	**0.51**		NA		**0.54**		NA
Dibenzo(a,h)anthracene		µg/L	0.1	U	0.1	U	0.1	U	0.03	J	0.22		NA		0.16		NA
Fluoranthene	50	µg/L	0.03	J	0.03	J	0.05	J	0.04	J	0.54		NA		0.45		NA
Hexachlorobenzene	0.04	µg/L	0.8	U	0.8	U	0.8	U	0.8	U	**0.05**	**J**	NA		**0.07**		NA
Indeno(1,2,3-cd)pyrene	0.002	µg/L	**0.02**	**J**	0.1	U	0.03	U	**0.06**	**J**	**1.4**		NA		**0.99**		NA
Naphthalene	10	µg/L	0.1	U	*0.1*	*R*	*0.1*	*U*	0.08	J	0.1	U	NA		0.13		NA
Pentachlorophenol	1	µg/L	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	NA		0.8	U	NA
Phenanthrene	50	µg/L	0.03	J	0.05	J	0.03	J	0.1	U	0.09	J	NA		0.11		NA
Pyrene	50	µg/L	0.03	J	0.03	J	0.04	J	0.1	U	0.51		NA		0.44		NA

Table 1.
October 2024 Groundwater Monitoring Results - Detections Only
Former Friedrichsohn Cooperage
153-155 Saratoga Avenue
Waterford, New York

LOCATION				MW-2										MW-2S									
SAMPLE NAME				MW-2-20230524		WATER-MW-2-102023		WATER-MW-2-20240514		WATER-MW-2-20241023				MW-2S-20230524		WATER-MW-2S-102023		WATER-MW-2S-20240514				Insufficient water to sample	
SAMPLING DATE				5/24/2023		10/20/2023		5/14/2024		10/23/2024				5/24/2023		10/20/2023		5/14/2024					
LAB SAMPLE ID				L2329262-02		L2362306-09		L2426911-08		L2462016-09				L2329262-01		L2362306-11		L2426911-09					
		NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual			Results	Qual	Results	Qual	Results	Qual				
Polychlorinated Biphenyls by GC																							
	Aroclor 1242	0.09	µg/L	0.071	U	0.071	U	0.071	U	0.071	U			0.071	U	***0.278***	***IP J-***	0.071	U			NA	
	Aroclor 1254	0.09	µg/L	0.071	U	0.071	U	0.071	U	0.071	U			0.071	U	**0.483**		0.071	U			NA	
Total Metals																							
	Aluminum, Total		µg/L	160		15.3		55.4		5.92	J			3,600		NA		22800				NA	
	Antimony, Total	3	µg/L	0.5	J	4	U	4	U	4	U			4	U	NA		0.96	J			NA	
	Arsenic, Total	25	µg/L	5.15		0.91		2.39		0.27	J			3.28		NA		13.02				NA	
	Barium, Total	1,000	µg/L	384.1		400		357.3		203				85.33		NA		405.8				NA	
	Beryllium, Total	3	µg/L	0.5	U	0.5	U	0.5	U	0.5	U			0.24	J	NA		2.42				NA	
	Cadmium, Total	5	µg/L	0.4		0.06	J	0.28		0.2	U			3.4		NA		**7.71**				NA	
	Calcium, Total		µg/L	68,200		111,000		84800		86200				37,000		NA		48300				NA	
	Chromium, Total	50	µg/L	1.47		0.5	J	1.12		0.35	J			8.94		NA		**58.3**				NA	
	Cobalt, Total		µg/L	0.34	J	0.5	U	0.5	U	0.27	J			5.57		NA		35.96				NA	
	Copper, Total	200	µg/L	0.73	J	1	U	9.59		1	U			17.39		NA		118.2				NA	
	Iron, Total	300	µg/L	147		80.3		**426**		69.7				**9,400**		NA		**48,500**				NA	
	Lead, Total	25	µg/L	1.3		1	U	0.62	J	1	U			**34.39**		NA		**370.5**				NA	
	Magnesium, Total	35,000	µg/L	24,500		32,600		30,700	*J*	27100				10,700		NA		18900	*J*			NA	
	Manganese, Total	300	µg/L	**731.1**		**742.9**		**648**		**1581**				**598.5**		NA		**3034**				NA	
	Mercury, Total	0.7	µg/L	0.2	U	0.2	U	0.2	U	0.2	U			0.17	J	NA		**0.95**				NA	
	Nickel, Total	100	µg/L	4.68		0.57	J	3.95		2	U			10.1		NA		58.64				NA	
	Potassium, Total		µg/L	8,370		11,800		9,750	*J*	7360				4,620		NA		6,310	*J*			NA	
	Selenium, Total	10	µg/L	5	U	5	U	5	U	5	U			2.87	J	NA		**14.4**				NA	
	Silver, Total	50	µg/L	0.4	U	0.4	U	0.4	U	0.4	U			1.26		NA		2.66				NA	
	Sodium, Total	20,000	µg/L	**114,000**		**93,000**	**J**	**127,000**		**99800**				**209,000**		NA		**178,000**				NA	
	Thallium, Total	0.5	µg/L	1	U	1	U	1	U	1	U			1	U	NA		**0.64**	**J**			NA	
	Vanadium, Total		µg/L	5	U	5	U	5	U	5	U			6.92		NA		40.13				NA	
	Zinc, Total	2,000	µg/L	6.51	J	10	U	5.8	J	10	U			54.02		NA		474.9				NA	
Dissolved Metals																							
	Aluminum, Dissolved		µg/L	NA		10	U	NA		NA				NA		NA		NA				NA	
	Antimony, Dissolved	3	µg/L	NA		4	U	NA		NA				NA		NA		NA				NA	
	Arsenic, Dissolved	25	µg/L	NA		0.89		NA		NA				NA		NA		NA				NA	
	Barium, Dissolved	1000	µg/L	NA		345.9		NA		NA				NA		NA		NA				NA	
	Beryllium, Dissolved	3	µg/L	NA		0.5	U	NA	U	NA				NA		NA		NA				NA	
	Cadmium, Dissolved	5	µg/L	NA		0.2	U	NA		NA				NA		NA		NA				NA	
	Calcium, Dissolved		µg/L	NA		86,600		NA		NA				NA		NA		NA				NA	
	Chromium, Dissolved	50	µg/L	NA		1	U	NA		NA				NA		NA		NA				NA	
	Cobalt, Dissolved		µg/L	NA		0.5	U	NA		NA				NA		NA		NA				NA	
	Copper, Dissolved	200	µg/L	NA		1	U	NA		NA				NA		NA		NA				NA	
	Iron, Dissolved	300	µg/L	50	U	50.9		51		59.6				50	U	NA		50	U			NS	
	Magnesium, Dissolved	35000	µg/L	NA		29,400		NA		NA				NA		NA		NA				NA	
	Manganese, Dissolved	300	µg/L	NA		**631.7**		NA		NA				NA		NA		NA				NA	
	Mercury, Dissolved	0.7	µg/L	NA		0.2	U	NA		NA				NA		NA		NA				NA	
	Nickel, Dissolved	100	µg/L	NA		2	U	NA		NA				NA		NA		NA				NA	
	Potassium, Dissolved		µg/L	NA		10,200		NA		NA				NA		NA		NA				NA	
	Selenium, Dissolved	10	µg/L	NA		5	U	NA	U	NA				NA		NA		NA				NA	
	Silver, Dissolved	50	µg/L	NA		0.4	U	NA	U	NA				NA		NA		NA				NA	
	Sodium, Dissolved	20000	µg/L	NA		**106,000**		NA		NA				NA		NA		NA				NA	
	Thallium, Dissolved	0.5	µg/L	NA		1	U	NA		NA				NA		NA		NA				NA	
	Vanadium, Dissolved		µg/L	NA		5	U	NA	U	NA				NA		NA		NA				NA	
	Zinc, Dissolved	2000	µg/L	NA		10	U	NA		NA				NA		NA		NA				NA	

Table 1.
October 2024 Groundwater Monitoring Results - Detections Only
Former Friedrichsohn Cooperage
153-155 Saratoga Avenue
Waterford, New York

LOCATION				MW-100								MW-101B							
SAMPLE NAME				MW-100-20230522		WATER-MW-100-101923		WATER-MW-100-20240514		WATER-MW-100-20241024		MW-101B-20230523		WATER-MW-101B-102023		WATER-MW-101B-20240514		WATER-MW-101B-20241024	
SAMPLING DATE				5/22/2023		10/19/2023		5/14/2024		10/24/2024		5/23/2023		10/20/2023		5/14/2024		10/24/2024	
LAB SAMPLE ID				L2328902-03		L2362306-07		L2426911-01		L2462016-01		L2328902-04		L2362306-12		L2362306-12		l2462016-02	
		NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry																			
	Alkalinity, Total		mg CaCO3/L	386		476		391		522		349		386		413		470	
	Nitrogen, Ammonia		µg/L	770		*109*	*U*	*257*	*J*	570	J	2180		*1760*	*J*	*1440*		1700	
	Nitrogen, Nitrate	10,000	µg/L	47	J	100	U	100	U	29	J	150		100	U	120		100	U
	Sulfate	250,000	µg/L	89,000		99,000		90,000		94000		21,000		7400	J	4600	J	7400	J
	Total Organic Carbon		µg/L	5,400		6,900		5,300		6400		1,400		2100		2100		2800	
Volatile Organics by GC/MS																			
	1,1-Dichloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
	1,2-Dichloroethane	0.6	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
	1,4-Dichlorobenzene	3	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	Acetone	50	µg/L	5	U	5	U	5	U	5	U	4.1	J	5	U	5	U	5	U
	Benzene	1	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
	Chlorobenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	Chloroform	7	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	cis-1,2-Dichloroethene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	Ethylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	Methylene chloride	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	1	J	2.5	U	2.5	U	2.5	U
	Tetrachloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
	trans-1,2-Dichloroethene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	Trichloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
	Vinyl chloride	2	µg/L	1	U	*0.13*	*U*	*1*	*U*	*0.11*	*J*	1	U	1	U	1	U	1	U
Semivolatile Organics by GC/MS																			
	Bis(2-ethylhexyl)phthalate	5	µg/L	2	U	3	U	3	U	3	U	2	U	**130**		3	U	3	U
	Caprolactam		µg/L	*13*	*J*	10	U	10	U	10	U	5	U	10	U	10	U	10	U
	Di-n-butylphthalate	50	µg/L	10	U	5	U	5	U	5	U	10	U	5	U	5	U	1.9	J
	Diethyl phthalate	50	µg/L	*2.2*	*J*	5	U	5	U	5	U	5	U	5	U	5	U	5	U
	p-Chloro-m-cresol		µg/L	13		2	U	2	U	2	U	10	U	2	U	2	U	2	U
	Phenol	1	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Semivolatile Organics by GC/MS-SIM																			
	2-Chloronaphthalene		µg/L	2	U	2	U	0.2	U	0.2	U	2	U	2	U	0.2	*U*	0.2	U
	2-Methylnaphthalene		µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	*U*	0.04	J
	Acenaphthene	20	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Acenaphthylene		µg/L	0.02	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Anthracene	50	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	*0.02*	*U*	*0.01*	*U*	0.01	U
	Benzo(a)anthracene	0.002	µg/L	0.1	U	0.1	U	0.1	U	**0.03**	**J**	0.1	U	**0.04**	**J**	*0.1*	*U*	0.1	U
	Benzo(a)pyrene	0	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.02**	**J**	0.1	U	0.1	U
	Benzo(b)fluoranthene	0.002	µg/L	0.1	U	0.1	U	0.1	U	**0.04**	**J**	0.1	U	**0.06**	**J**	0.1	U	0.1	U
	Benzo(ghi)perylene		µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U	0.1	U
	Benzo(k)fluoranthene	0.002	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.04**	**J**	0.1	U	0.1	U
	Chrysene	0.002	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.05**	**J**	0.1	U	0.1	U
	Dibenzo(a,h)anthracene		µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.04	J	0.1	U	0.1	U
	Fluoranthene	50	µg/L	0.1	U	0.1	U	0.1	U	0.06	J	0.1	U	0.05	J	0.1	U	0.1	U
	Hexachlorobenzene	0.04	µg/L	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
	Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.04**	**J**	0.1	U	0.1	U
	Naphthalene	10	µg/L	0.31		0.1	U	0.13		0.1	U	0.1	U	*0.09*	*R*	0.1	U	0.1	U
	Pentachlorophenol	1	µg/L	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.08	J
	Phenanthrene	50	µg/L	0.1	U	0.1	U	0.03	J	0.03	J	0.1	U	0.05	J	0.02	J	0.01	U
	Pyrene	50	µg/L	0.1	U	0.1	U	0.1	U	0.06	J	0.1	U	0.05	J	0.1	U	0.1	U

Table 1.
October 2024 Groundwater Monitoring Results - Detections Only
Former Friedrichsohn Cooperage
153-155 Saratoga Avenue
Waterford, New York

LOCATION				MW-100								MW-101B							
SAMPLE NAME				MW-100-20230522		WATER-MW-100-101923		WATER-MW-100-20240514		WATER-MW-100-20241024		MW-101B-20230523		WATER-MW-101B-102023		WATER-MW-101B-20240514		WATER-MW-101B-20241024	
SAMPLING DATE				5/22/2023		10/19/2023		5/14/2024		10/24/2024		5/23/2023		10/20/2023		5/14/2024		10/24/2024	
LAB SAMPLE ID				L2328902-03		L2362306-07		L2426911-01		L2462016-01		L2328902-04		L2362306-12		L2362306-12		l2462016-02	
		NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Polychlorinated Biphenyls by GC																			
	Aroclor 1242	0.09	µg/L	0.071	U	0.071	U	0.071	U	0.071	U	**0.134**		0.071	U	0.071	U	0.071	U
	Aroclor 1254	0.09	µg/L	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Total Metals																			
	Aluminum, Total		µg/L	*2,340*	*J*	575		15800		20	U	69,700		106		1480		4.85	J
	Antimony, Total	3	µg/L	4	U	4	U	0.97	J	8	U	**3.58**	**J**	0.51	J	0.69	J	1.85	J
	Arsenic, Total	25	µg/L	*1.87*	*J*	0.9		4.84		0.45	J	**95.24**		5.06		4.96		2.02	J
	Barium, Total	1,000	µg/L	119.7		94.88		109.6		90.33		**4,024**		**1,985**		**1,695**		**3,428**	
	Beryllium, Total	3	µg/L	0.13	J	0.5	U	0.48	J	1	U	**4.47**		0.5	U	0.5	U	0.5	U
	Cadmium, Total	5	µg/L	0.13	J	0.12	J	0.18	J	0.13	J	0.54	J	0.2	U	0.2	U	0.2	U
	Calcium, Total		µg/L	*153,000*	*J*	142,000		223000		150000		*82,800*	*J*	25,900		13000		23700	
	Chromium, Total	50	µg/L	*3.49*	*U*	1.42		10.49		2	U	**134**		1.09		2.65		0.26	J
	Cobalt, Total		µg/L	*4.55*	*J*		1.76	9.06		0.48	J	129.4		0.25	J	3.01		0.5	U
	Copper, Total	200	µg/L	*5.26*	*J*	2.39		16.42		0.97	J	**235**		0.42	J	5.33		0.9	J
	Iron, Total	300	µg/L	***4,640***	***J***	**1,080**		**30,100**		64	J	**193,000**		**404**		**3,760**		*284*	*J*
	Lead, Total	25	µg/L	*3.05*	*J*	0.79	J	5.46		2	U	**134**		1	U	1.39		1	U
	Magnesium, Total	35,000	µg/L	22,500		19,100		20500	*J*	20300		**53,200**		7,870		5380	*J*	8480	
	Manganese, Total	300	µg/L	**9,520**		**4,687**		**8,431**		**5,387**		**14,650**		**492.1**		**1,095**		**376**	
	Mercury, Total	0.7	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.43		0.2	U	0.2	U	0.2	U
	Nickel, Total	100	µg/L	*6.59*	*U*	3.15		15.96		1.79	J	**184.6**		6.66		9.12		5.47	
	Potassium, Total		µg/L	11,100		10,600		8,790	*J*	10300		21,700		11,300		8,010	*J*	9150	
	Selenium, Total	10	µg/L	5	U	5	U	5	U	10	U	**15.2**	**J**	5	U	5	U	5	U
	Silver, Total	50	µg/L	0.4	U	0.4	U	0.4	U	0.8	U	2	U	0.4	U	0.4	U	0.4	U
	Sodium, Total	20,000	µg/L	**137,000**		**123,000**		**104,000**		**95,300**		**174,000**		***154,000***	***J***	**262,000**		**171,000**	
	Thallium, Total	0.5	µg/L	0.15	J	1	U	1	U	2	U	**1.38**	**J**	1	U	1	U	1	U
	Vanadium, Total		µg/L	4.7	J	5	U	13.74		10	U	116.8		5	U	2.02	J	5	U
	Zinc, Total	2,000	µg/L	*11.7*	*J*	10	U	34.91		20	U	278.8		10	U	8.12	J	10	U
Dissolved Metals																			
	Aluminum, Dissolved		µg/L	NA		10	U	NA		NA		NA		6.55	J	NA		NA	
	Antimony, Dissolved	3	µg/L	NA		1.21	J	NA		NA		NA		1.08	J	NA		NA	
	Arsenic, Dissolved	25	µg/L	NA		0.5		NA		NA		NA		4.89		NA		NA	
	Barium, Dissolved	1000	µg/L	NA		96.62		NA		NA		NA		**2,022**		NA		NA	
	Beryllium, Dissolved	3	µg/L	NA		0.5	U	NA	U	NA		NA		0.5	U	NA	**U**	NA	
	Cadmium, Dissolved	5	µg/L	NA		0.11	J	NA		NA		NA		0.2	U	NA		NA	
	Calcium, Dissolved		µg/L	NA		143,000		NA		NA		NA		18,900		NA		NA	
	Chromium, Dissolved	50	µg/L	NA		1	U	NA		NA		NA		0.23	J	NA		NA	
	Cobalt, Dissolved		µg/L	NA		1.26		NA		NA		NA		0.5	U	NA		NA	
	Copper, Dissolved	200	µg/L	NA		1.02		NA		NA		NA		0.66	J	NA		NA	
	Iron, Dissolved	300	µg/L	50	U	19.5	J	**596**		50	U	**1,220**		105		157		***339***	***J***
	Magnesium, Dissolved	35000	µg/L	NA		18,800		NA		NA		NA		7,540		NA		NA	
	Manganese, Dissolved	300	µg/L	NA		**5,098**		NA		NA		NA		**391.1**		NA		NA	
	Mercury, Dissolved	0.7	µg/L	NA		0.2	U	NA		NA		NA		0.2	U	NA		NA	
	Nickel, Dissolved	100	µg/L	NA		1.39	J	NA		NA		NA		5.86		NA		NA	
	Potassium, Dissolved		µg/L	NA		10,800		NA		NA		NA		10,200		NA		NA	
	Selenium, Dissolved	10	µg/L	NA		5	U	NA	U	NA		NA		5	U	NA	**U**	NA	
	Silver, Dissolved	50	µg/L	NA		0.4	U	NA	U	NA		NA		0.4	U	NA	**U**	NA	
	Sodium, Dissolved	20000	µg/L	NA		**128,000**		NA		NA		NA		**178,000**		NA		NA	
	Thallium, Dissolved	0.5	µg/L	NA		1	U	NA		NA		NA		1	U	NA		NA	
	Vanadium, Dissolved		µg/L	NA		5	U	NA	U	NA		NA		5	U	NA	**U**	NA	
	Zinc, Dissolved	2000	µg/L	NA		10	U	NA		NA		NA		3.41	J	NA		NA	

Table 1.
October 2024 Groundwater Monitoring Results - Detections Only
Former Friedrichsohn Cooperage
153-155 Saratoga Avenue
Waterford, New York

LOCATION				MW-102								MW-102B							
SAMPLE NAME				MW-102-20230522		WATER-MW-102-101923		WATER-MW-102-20240514		WATER-MW-102-20241024		MW-102B-20230522		WATER-MW-102B-101923		WATER-MW-102B-20240514		WATER-MW-102B-20241024	
SAMPLING DATE				5/22/2023		10/19/2023		5/14/2024		10/24/2024		5/22/2023		10/19/2023		5/14/2024		10/24/2024	
LAB SAMPLE ID				L2328902-01		l2362306-04		L2426911-03		L2462016-03		L2328902-02		L2362306-06		L2426911-04		L2462016-04	
		NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry																			
	Alkalinity, Total		mg CaCO3/L	191		182		178		171		376		422		395		456	
	Nitrogen, Ammonia		µg/L	230		*252*	*U*	*75*	*U*	229		2,690		*1,980*	*J*	*1,350*		1820	
	Nitrogen, Nitrate	10,000	µg/L	100	U	36	J	78	J	68		78	J	100	U	100		100	U
	Sulfate	250,000	µg/L	66,000		16,000		40,000		16000		31,000		36,000		240		36000	
	Total Organic Carbon		µg/L	3,000		2,600		27,002		2300		3,300		4,700		4,700		5600	
Volatile Organics by GC/MS																			
	1,1-Dichloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
	1,2-Dichloroethane	0.6	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
	1,4-Dichlorobenzene	3	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	Acetone	50	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
	Benzene	1	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
	Chlorobenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	Chloroform	7	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	cis-1,2-Dichloroethene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	**30**		**58**		**61**		**94**	
	Ethylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	Methylene chloride	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	Tetrachloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
	trans-1,2-Dichloroethene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
	Trichloroethene	5	µg/L	0.38	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
	Vinyl chloride	2	µg/L	1	U	*0.27*	*U*	1	U	1	U	**160**		**310**		**420**		**580**	**J**
Semivolatile Organics by GC/MS																			
	Bis(2-ethylhexyl)phthalate	5	µg/L	2	U	3	U	3	U	3	U	2	U	3	U	3	U	3	U
	Caprolactam		µg/L	5	U	10	U	10	U	10	U	*17*	*J*	10	U	10	U	10	U
	Di-n-butylphthalate	50	µg/L	10	U	5	U	5	U	5	U	10	U	5	U	5	U	5	U
	Diethyl phthalate	50	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
	p-Chloro-m-cresol		µg/L	10	U	2	U	2	U	2	U	17		2	U	2	U	2	U
	Phenol	1	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**1.7**	**J**
Semivolatile Organics by GC/MS-SIM																			
	2-Chloronaphthalene		µg/L	2	U	2	U	0.2	U	0.2	U	2	U	2	U	0.2	U	0.2	U
	2-Methylnaphthalene		µg/L	0.1	U	0.1	U	0.03	J	0.1	U	0.1	U	0.1	U	0.25		0.1	U
	Acenaphthene	20	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.09	J	0.1	U
	Acenaphthylene		µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U	0.1	U	0.1	U
	Anthracene	50	µg/L	0.1	U	0.1	U	0.02	J	0.01	U	0.1	U	0.1	U	0.1	U	0.1	U
	Benzo(a)anthracene	0.002	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Benzo(a)pyrene	0	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Benzo(b)fluoranthene	0.002	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Benzo(ghi)perylene		µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Benzo(k)fluoranthene	0.002	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Chrysene	0.002	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Dibenzo(a,h)anthracene		µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Fluoranthene	50	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Hexachlorobenzene	0.04	µg/L	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
	Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Naphthalene	10	µg/L	0.08	J	*0.08*	*R*	0.06	*J*	0.1	U	0.45		0.1	U	1.1		0.1	U
	Pentachlorophenol	1	µg/L	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
	Phenanthrene	50	µg/L	0.1	U	0.1	U	0.03	J	0.01	U	0.1	U	0.1	U	0.04	J	0.04	J
	Pyrene	50	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

Table 1.
October 2024 Groundwater Monitoring Results - Detections Only
Former Friedrichsohn Cooperage
153-155 Saratoga Avenue
Waterford, New York

LOCATION				MW-102								MW-102B							
SAMPLE NAME				MW-102-20230522		WATER-MW-102-101923		WATER-MW-102-20240514		WATER-MW-102-20241024		MW-102B-20230522		WATER-MW-102B-101923		WATER-MW-102B-20240514		WATER-MW-102B-20241024	
SAMPLING DATE				5/22/2023		10/19/2023		5/14/2024		10/24/2024		5/22/2023		10/19/2023		5/14/2024		10/24/2024	
LAB SAMPLE ID				L2328902-01		I2362306-04		L2426911-03		L2462016-03		L2328902-02		L2362306-06		L2426911-04		L2462016-04	
		NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Polychlorinated Biphenyls by GC																			
	Aroclor 1242	0.09	µg/L	0.071	U	0.071	U	0.071	U	0.071	U	**0.099**		0.071	U	0.071	U	0.071	U
	Aroclor 1254	0.09	µg/L	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Total Metals																			
	Aluminum, Total		µg/L	139		12		1640		11.8		16,100		495		79.9		3.8	J
	Antimony, Total	3	µg/L	4	U	4	U	1.82	J	0.77	J	2.04	J	4	U	4	U	4	U
	Arsenic, Total	25	µg/L	4.43		0.69		**29**		0.87		20.41		0.87		0.37	J	0.17	J
	Barium, Total	1,000	µg/L	53.32		19.22		47		16.71		**2,128**		**1,018**		**1,162**		**1,082**	
	Beryllium, Total	3	µg/L	0.5	U	0.5	U	0.24	J	0.5	U	0.68		0.5	U	0.5	U	0.5	U
	Cadmium, Total	5	µg/L	0.2	U	0.2	U	0.18	J	0.07	J	0.18	J	0.2	U	0.2	U	0.2	U
	Calcium, Total		µg/L	*77,400*	*J*	56,700		108000		56500		*52,000*	*J*	67,900		89000		69700	
	Chromium, Total	50	µg/L	*1.39*	*U*	0.57	J	9.05		0.49	J	40.9		2.47		0.79	J	0.39	J
	Cobalt, Total		µg/L	0.69		0.19	J	2.28		0.22	J	23.92		0.66		0.5	U	0.5	U
	Copper, Total	200	µg/L	1.61		1.28		19.9		0.61	J	57.46		1.36		0.59	J	1	U
	Iron, Total	300	µg/L	**3,430**		***348***	***J***	**92,500**		170		**49,200**		**1,440**		**377**		245	
	Lead, Total	25	µg/L	0.72	J	1	U	11.25		1	U	**39.42**		1.13		1	U	1	U
	Magnesium, Total	35,000	µg/L	10,600		7,750		9760	*J*	8310		29,700		21,500		21300	*J*	24200	
	Manganese, Total	300	µg/L	**918.4**		***998.4***	***J***	**1,488**		**1502**		**1,860**		**465.7**		**515.6**		**451**	
	Mercury, Total	0.7	µg/L	0.2	U	0.2	U	0.33		0.2	U	0.15	J	0.2	U	0.2	U	0.2	U
	Nickel, Total	100	µg/L	*3.03*	*U*	1.3	J	3.7		1.42	J	58.99		4.94		2.97		2.77	
	Potassium, Total		µg/L	3,290		3,150		2,490	*J*	2480		13,000		10,700		10,100	*J*	10500	
	Selenium, Total	10	µg/L	5	U	5	U	9.06		5	U	4.13	J	5	U	5	U	5	U
	Silver, Total	50	µg/L	0.4	U	0.4	U	0.2	J	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
	Sodium, Total	20,000	µg/L	**22,500**		18,800		18200		19300		**115,000**		**109,000**		**112,000**		**118,000**	
	Thallium, Total	0.5	µg/L	0.15	J	1	U	1	U	1	U	**0.58**	**J**	1	U	1	U	1	U
	Vanadium, Total		µg/L	5	U	5	U	17.18		5	U	36.27		5	U	5	U	5	U
	Zinc, Total	2,000	µg/L	10	U	10	U	101.1		10	U	73.8		10	U	35.72		10	U
Dissolved Metals																			
	Aluminum, Dissolved		µg/L	NA		10	U	NA		NA		NA		3.28	J	NA		NA	
	Antimony, Dissolved	3	µg/L	NA		0.71	J	NA		NA		NA		2.68	J	NA		NA	
	Arsenic, Dissolved	25	µg/L	NA		0.37	J	NA		NA		NA		0.68		NA		NA	
	Barium, Dissolved	1000	µg/L	NA		18.45		NA		NA		NA		**1,095**		NA		NA	
	Beryllium, Dissolved	3	µg/L	NA		0.5	U	NA		NA		NA		0.5	U	NA		NA	
	Cadmium, Dissolved	5	µg/L	NA		0.08	J	NA		NA		NA		0.2	U	NA		NA	
	Calcium, Dissolved		µg/L	NA		54,800		NA		NA		NA		55,400		NA		NA	
	Chromium, Dissolved	50	µg/L	NA		1	U	NA		NA		NA		1	U	NA		NA	
	Cobalt, Dissolved		µg/L	NA		0.22	J	NA		NA		NA		0.5	U	NA		NA	
	Copper, Dissolved	200	µg/L	NA		0.73	J	NA		NA		NA		0.4	J	NA		NA	
	Iron, Dissolved	300	µg/L	25.5	J	50	U	**2,880**		121		97.7		53.5		125		208	
	Magnesium, Dissolved	35000	µg/L	NA		8,020		NA		NA		NA		19,800		NA		NA	
	Manganese, Dissolved	300	µg/L	NA		***1,114***	***J***	NA		NA		NA		**437.2**		NA		NA	
	Mercury, Dissolved	0.7	µg/L	NA		0.2	U	NA		NA		NA		0.2	U	NA		NA	
	Nickel, Dissolved	100	µg/L	NA		0.82	J	NA		NA		NA		2.89		NA		NA	
	Potassium, Dissolved		µg/L	NA		3,090		NA		NA		NA		10,700		NA		NA	
	Selenium, Dissolved	10	µg/L	NA		5	U	NA		NA		NA		5	U	NA		NA	
	Silver, Dissolved	50	µg/L	NA		0.4	U	NA		NA		NA		0.4	U	NA		NA	
	Sodium, Dissolved	20000	µg/L	NA		19,400		NA		NA		NA		**120,000**		NA		NA	
	Thallium, Dissolved	0.5	µg/L	NA		1	U	NA		NA		NA		1	U	NA		NA	
	Vanadium, Dissolved		µg/L	NA		5	U	NA		NA		NA		5	U	NA		NA	
	Zinc, Dissolved	2000	µg/L	NA		10	U	NA		NA		NA		10	U	NA		NA	

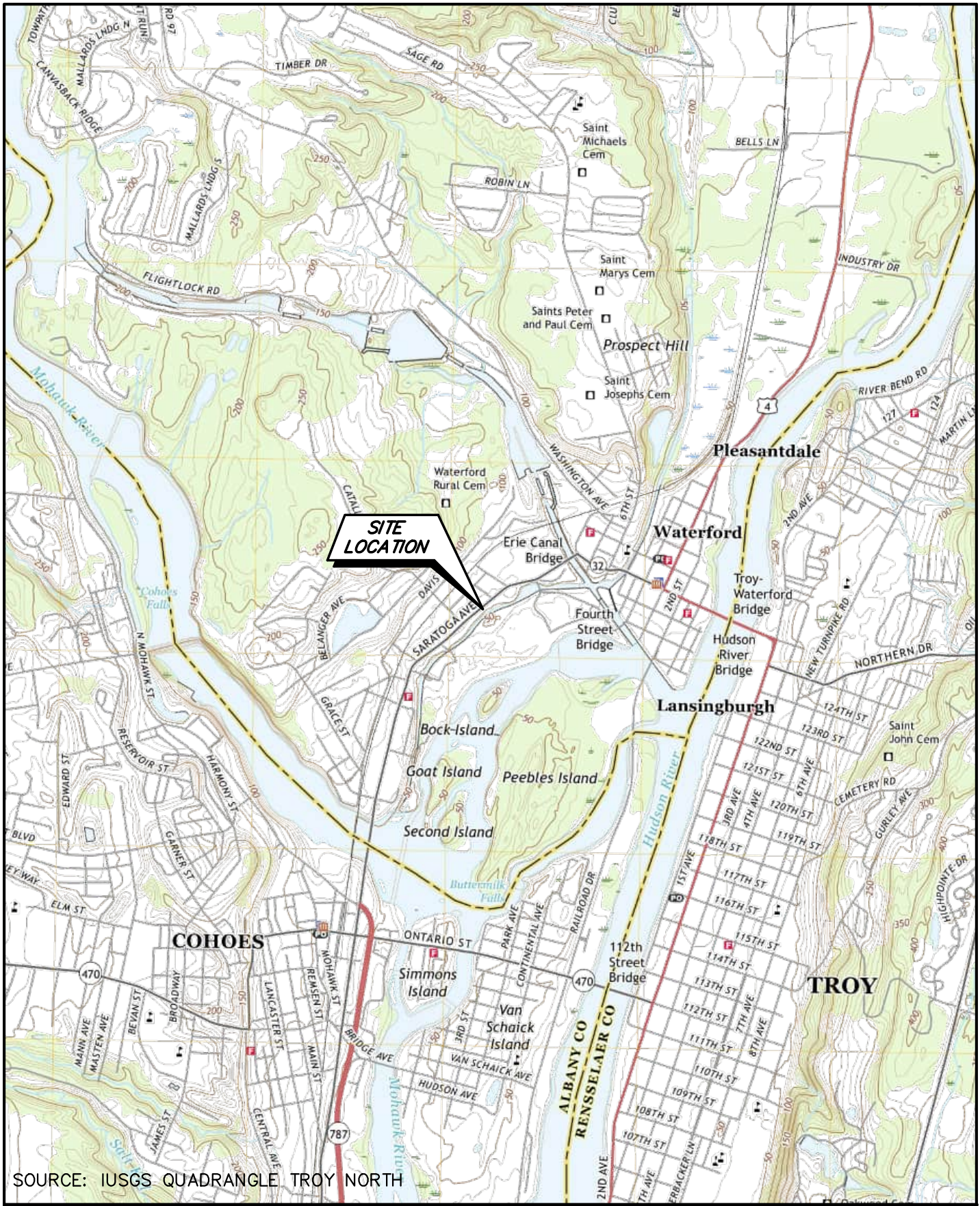
Table 1.
October 2024 Groundwater Monitoring Results - Detections Only
Former Friedrichsohn Cooperage
153-155 Saratoga Avenue
Waterford, New York

LOCATION			MW-103								MW-103B								MW-104							
SAMPLE NAME			MW-103-20230523		WATER-MW-103-101923		WATER-MW-103-20240515		WATER-MW-103-20241023		MW-103B-20230523		WATER-MW-103B-101923		WATER-MW-103B-20240515		WATER-MW-103B-20241023		MW-104-20230523		WATER-MW-104-101923		WATER-MW-104-20240515		WATER-MW-104-20241023	
SAMPLING DATE			5/23/2023		10/19/2023		5/15/2024		10/23/2024		5/23/2023		10/19/2023		5/15/2024		10/23/2024		5/23/2023		10/19/2023		5/15/2024		10/23/2024	
LAB SAMPLE ID			L2328902-06		L2362306-02		L2426911-05		L2462016-05		L2328902-05		L2362306-03		L2426911-06		L2462016-06		L2328902-07		L2362306-01		L2426911-07		L2462016-07	
		NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry																										
	Alkalinity, Total		mg CaCO3/L	214		240		227		241		349		344		116		219		237		225		205		217	
	Nitrogen, Ammonia		µg/L	488		*973*	*J*	*1130*		1150		861		*989*	*J*	*286*		750		1,600		*1,220*	*J*	*1,290*		1370	
	Nitrogen, Nitrate	10,000	µg/L	49	J	100	U	250		100	U	96	J	100	U	160		100	U	36	J	100	U	100	U	100	U
	Sulfate	250,000	µg/L	34,000		5,000	J	16,000		1700	J	28,000		10,000	U	20,000	U	10000	U	26,000		1,600	J	10	J	1,400	J
	Total Organic Carbon		µg/L	4,700		5,300		3,500		4600		7,000		9,000		12,000		8700		5,400		5,100		4,000		4,800	
Volatile Organics by GC/MS																										
	1,1-Dichloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	0.69		1.1	J	0.23	J
	1,2-Dichloroethane	0.6	µg/L	0.5	U	0.5	U	0.5	U	0.13	J	0.5	U	0.34	J	0.5	U	0.21	J	1.2	U	0.5	U	0.5	U	0.5	U
	1,4-Dichlorobenzene	3	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	1.6	J	2.5	U	1.4	J
	Acetone	50	µg/L	5	U	5	U	5	U	5	U	4.2	J	5	U	2	*J*	5	U	12	U	5	U	25	U	25	U
	Benzene	1	µg/L	**1.9**		0.38	J	0.38	J	0.5	U	**1.8**		**35**		0.22	J	**1.8**		**7.7**		**2.1**		**1.3**	**J**	**1.3**	
	Chlorobenzene	5	µg/L	*2.1*	*J+*	**6.1**		4		3.8		2.5	U	**15**		0.78	J	***6.6***	***J***	**15**		**22**		**15**		**19**	
	Chloroform	7	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	2.5	U	12	U	12	U
	cis-1,2-Dichloroethene	5	µg/L	2.5	U	2.5		2.5		2.5	U	2.5	U	0.73	J	2.5	U	2.5	U	**320**		**490**		**820**		**190**	
	Ethylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	0.7	J	2.5	U	2.5	U
	Methylene chloride	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	2.5	U	2.5	U	2.5	U
	Tetrachloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	0.5	U	2.5	U	2.5	U
	trans-1,2-Dichloroethene	5	µg/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	1.3	J	2.5	U	2.5	U
	Trichloroethene	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	0.2	J	0.5	U	0.5	U
	Vinyl chloride	2	µg/L	1	U	**2.5**		0.11		0.35	J	*0.13*	*J*	0.91	J	0.11	J	*0.29*	*J*	**190**		**350**		**450**		**210**	
Semivolatile Organics by GC/MS																										
	Bis(2-ethylhexyl)phthalate	5	µg/L	2	U	3	U	3	U	3	U	2	U	3	U	3	U	3	U	2	U	3	U	3	U	3	U
	Caprolactam		µg/L	5	U	10	U	10	U	10	U	5	U	10	U	10	U	10	U	5	U	10	U	10	U	10	U
	Di-n-butylphthalate	50	µg/L	10	U	5	U	5	U	5	U	10	U	5	U	5	U	5	U	10	U	5	U	5	U	5	U
	Diethyl phthalate	50	µg/L	5	U	5	U	5	U	5	U	*1.5*	*J*	5	U	5	U	5	U	5	U	5	U	5	U	5	U
	p-Chloro-m-cresol		µg/L	10	U	2	U	2	U	2	U	10	U	2	U	2	U	2	U	10	U	2	U	2	U	2	U
	Phenol	1	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Semivolatile Organics by GC/MS-SIM																										
	2-Chloronaphthalene		µg/L	2	U	2	U	0.2	U	0.005	J	2	U	2	U	0.2	U	0.2	U	2	U	2	U	0.2	U	0.2	U
	2-Methylnaphthalene		µg/L	0.1	U	0.1	U	0.03	J	0.1	U	0.1	U	0.1	U	0.04	*J*	0.14		0.1	U	0.1	U	0.03	J	0.1	U
	Acenaphthene	20	µg/L	0.02	J	0.04	J	0.04	J	0.1	U	0.1	U	0.06	J	0.05	J	0.07	J	0.1	U	*0.05*	*J+*	0.04	J	0.5	J
	Acenaphthylene		µg/L	0.01	J	0.1	U	0.1	U	0.1	U	0.1	U	0.01	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Anthracene	50	µg/L	0.1	U	0.1	U	0.02	J	0.1	U	0.1	U	*0.02*	*U*	0.01	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Benzo(a)anthracene	0.002	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.02**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Benzo(a)pyrene	0	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Benzo(b)fluoranthene	0.002	µg/L	**0.01**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Benzo(ghi)perylene		µg/L	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.7	J
	Benzo(k)fluoranthene	0.002	µg/L	**0.01**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Chrysene	0.002	µg/L	*0.04*	*U*	0.1	U	0.1	U	0.1	U	*0.05*	*U*	0.1	U	0.1	U	0.1	U	*0.03*	*U*	***0.04***	***J+***	0.1	U	0.1	U
	Dibenzo(a,h)anthracene		µg/L	0.1	U	0.1	U	0.1	U	*0.05*	*J*	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	*0.6*	*J*
	Fluoranthene	50	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Hexachlorobenzene	0.04	µg/L	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
	Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.1	U	0.1	U	0.1	U	***0.06***	***J***	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	***0.06***	***J***
	Naphthalene	10	µg/L	0.1	U	0.1	U	0.14		0.06	J	0.1	U	0.1	U	0.06	J	0.5		0.1	U	0.1	U	0.12		0.1	U
	Pentachlorophenol	1	µg/L	0.07	J	0.8	U	0.07	J	0.07	J	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.07	J	0.8	U
	Phenanthrene	50	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.02	J	0.07	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	Pyrene	50	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

Table 1.
October 2024 Groundwater Monitoring Results - Detections Only
Former Friedrichsohn Cooperage
153-155 Saratoga Avenue
Waterford, New York

LOCATION				MW-103								MW-103B								MW-104							
SAMPLE NAME				MW-103-20230523		WATER-MW-103-101923		WATER-MW-103-20240515		WATER-MW-103-20241023		MW-103B-20230523		WATER-MW-103B-101923		WATER-MW-103B-20240515		WATER-MW-103B-20241023		MW-104-20230523		WATER-MW-104-101923		WATER-MW-104-20240515		WATER-MW-104-20241023	
SAMPLING DATE				5/23/2023		10/19/2023		5/15/2024		10/23/2024		5/23/2023		10/19/2023		5/15/2024		10/23/2024		5/23/2023		10/19/2023		5/15/2024		10/23/2024	
LAB SAMPLE ID				L2328902-06		L2362306-02		L2426911-05		L2462016-05		L2328902-05		L2362306-03		L2426911-06		L2462016-06		L2328902-07		L2362306-01		L2426911-07		L2462016-07	
		NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Polychlorinated Biphenyls by GC																											
	Aroclor 1242	0.09	µg/L	**1.11**		**3.25**		**2.15**		**1.33**		**0.22**	U	**1.74**	*J+*	**0.571**	U	**0.195**	U	**0.481**	U	**1.2**	*J+*	**1.02**	*J+*	**0.81**	U
	Aroclor 1254	0.09	µg/L	0.071	U	0.357	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Total Metals																											
	Aluminum, Total		µg/L	794		15.9		72.1	*J*	4.89	J	50,100		647		3250		16.7		2,670		26.7		2590		3.96	J
	Antimony, Total	3	µg/L	4	U	4	U	4	U	4	U	0.65	J	4	U	2.53	J	2.41	J	4	U	4	U	4	U	4	U
	Arsenic, Total	25	µg/L	6.28		9.47		6.39		9.19		**25.32**		12.38		3.69		7.7		6.74		6.42		4.69		5.76	
	Barium, Total	1,000	µg/L	69.08		67.3		93.73	*J*	81.26		**1,258**		71.96		128.4		76		168.5		78.78		104.4		80	
	Beryllium, Total	3	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	1.87		0.5	U	0.18	J	0.5	U	0.14	J	0.5	U	0.15	J	0.5	U
	Cadmium, Total	5	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.26		0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
	Calcium, Total		µg/L	*40,000*	*J*	27,000		59,200		30900		*36,000*	*J*	16,100		28,200		25700		*55,500*	*J*	34,000		45,500		40300	
	Chromium, Total	50	µg/L	*2*	*U*	0.25	J	1.01		0.35	J	**129.5**		1.78		8		0.44	J	7.31		0.38	J	4.97		0.36	J
	Cobalt, Total		µg/L	0.99		0.5	U	0.23	J	0.5	U	55.92		0.84		3.26		0.3	J	2.27		0.19	J	2.02		0.5	U
	Copper, Total	200	µg/L	3.37		0.64	J	0.7	J	1	U	110		2.76		9.13		0.93	J	6.87		1	U	8.18		1	U
	Iron, Total	300	µg/L	**1,690**		**845**		**2,300**		**1,170**		**120,000**		**1,360**		**6,370**		*195*	*J*	**10,300**		**3,200**		**11,400**		**2570**	
	Lead, Total	25	µg/L	1.93		1	U	1	U	1	U	**72.02**		1.71		3.79		1	U	6.61		1	U	4.92		1	U
	Magnesium, Total	35,000	µg/L	8,300		5,540		10,200	*J*	5620		**37,600**		4,970		5520	*J*	5500		11,900		6,520		9930	*J*	7180	
	Manganese, Total	300	µg/L	**884.2**		**1613**		**4,611**		**1,908**		**3,514**		**902**		**636**		**1,151**		**3,809**		B		**3,788**		**2267**	
	Mercury, Total	0.7	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.12	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
	Nickel, Total	100	µg/L	*8.27*	*U*	0.68	J	0.76	J	2	U	**162.3**		3.24		7.78		1.29	J	*10.16*	*U*	0.69	J	5.1		2	U
	Potassium, Total		µg/L	2,350		2,330		2,450	*J*	2290		9,720		3,190		5,920	*J*	8310		2,770		2,210		2,360	*J*	2290	
	Selenium, Total	10	µg/L	2.24	J	5	U	5	U	5	U	7.72		5	U	5	U	5	U	5	U	5	U	5	U	5	U
	Silver, Total	50	µg/L	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
	Sodium, Total	20,000	µg/L	**114,000**		**87,800**		**84,300**		**74,700**		**192,000**		**151,000**		**31,300**		**80,900**		**162,000**		**78,300**		**82,000**		**51900**	
	Thallium, Total	0.5	µg/L	0.32	J	1	U	1	U	1	U	0.35	J	1	U	1	U	1	U	1	U	1	U	1	U	1	U
	Vanadium, Total		µg/L	2.12	J	5	U	5	U	5	U	98.58		2.49	J	6.73		5	U	5.37		5	U	5.14		5	U
	Zinc, Total	2,000	µg/L	7.7	J	10	U	10	U	10	U	163.1		11.7		**2,720**		556		11.74		10	U	12.33		10	U
Dissolved Metals																											
	Aluminum, Dissolved		µg/L	NA		4.64	J	NA		NA		NA		21.9		NA		NA		NA		10	U	NA		NA	
	Antimony, Dissolved	3	µg/L	NA		0.95	J	NA		NA		NA		0.7	J	NA		NA		NA		0.67	J	NA		NA	
	Arsenic, Dissolved	25	µg/L	NA		9.43		NA		NA		NA		11.81		NA		NA		NA		4.41		NA		NA	
	Barium, Dissolved	1000	µg/L	NA		58.02		NA		NA		NA		68.14		NA		NA		NA		59.09		NA		NA	
	Beryllium, Dissolved	3	µg/L	NA		0.5	U	NA		NA		NA		0.5	U	NA		NA		NA		0.5	U	NA		NA	
	Cadmium, Dissolved	5	µg/L	NA		0.2	U	NA		NA		NA		0.2	U	NA		NA		NA		0.2	U	NA		NA	
	Calcium, Dissolved		µg/L	NA		27,600		NA		NA		NA		15,700		NA		NA		NA		32,000		NA		NA	
	Chromium, Dissolved	50	µg/L	NA		1	U	NA		NA		NA		0.35	J	NA		NA		NA		1	U	NA		NA	
	Cobalt, Dissolved		µg/L	NA		0.5	U	NA		NA		NA		0.4	J	NA		NA		NA		0.19	J	NA		NA	
	Copper, Dissolved	200	µg/L	NA		1	U	NA		NA		NA		0.5	J	NA		NA		NA		1	U	NA		NA	
	Iron, Dissolved	300	µg/L	74.3		122		**1,980**		**1220**		**3,150**		292		42	J	***235***	***J***	28.3	J	**544**		**3,490**		**2640**	
	Magnesium, Dissolved	35000	µg/L	NA		5,850		NA		NA		NA		4,860		NA		NA		NA		6,270		NA		NA	
	Manganese, Dissolved	300	µg/L	NA		**1591**		NA		NA		NA		**919.7**		NA		NA		NA		**1,855**		NA		NA	
	Mercury, Dissolved	0.7	µg/L	NA		0.2	U	NA		NA		NA		0.1	J	NA		NA		NA		0.2	U	NA		NA	
	Nickel, Dissolved	100	µg/L	NA		2	U	NA		NA		NA		1.87	J	NA		NA		NA		2	U	NA		NA	
	Potassium, Dissolved		µg/L	NA		2,470		NA		NA		NA		3,000		NA		NA		NA		2,130		NA		NA	
	Selenium, Dissolved	10	µg/L	NA		5	U	NA		NA		NA		5	U	NA		NA		NA		5	U	NA		NA	
	Silver, Dissolved	50	µg/L	NA		0.4	U	NA		NA		NA		0.4	U	NA		NA		NA		0.4	U	NA		NA	
	Sodium, Dissolved	20000	µg/L	NA		**94,200**		NA		NA		NA		**160,000**		NA		NA		NA		**77,000**		NA		NA	
	Thallium, Dissolved	0.5	µg/L	NA		0.19	J	NA		NA		NA		1	U	NA		NA		NA		1	U	NA		NA	
	Vanadium, Dissolved		µg/L	NA		5	U	NA		NA		NA		5	U	NA		NA		NA		5	U	NA		NA	
	Zinc, Dissolved	2000	µg/L	NA		10	U	NA		NA		NA		10	U	NA		NA		NA		10	U	NA		NA	

FIGURES



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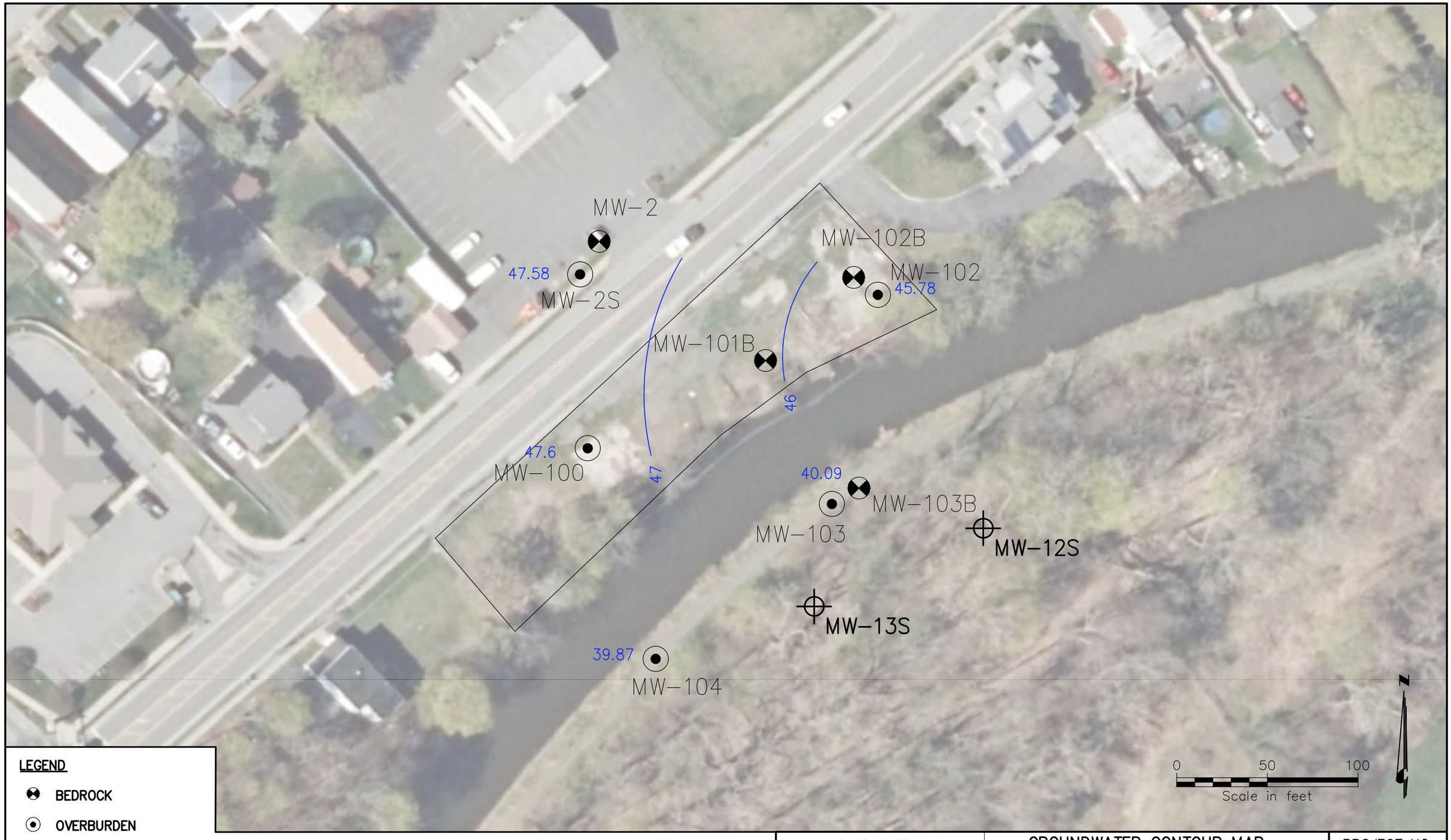
SITE LOCATION MAP

FORMER FRIEDRICHSOHN COOPERAGE
153–155 SARATOGA AVENUE
TOWN OF WATERFORD, NEW YORK

PROJECT NO.
060017.000

06/2024

FIGURE 1



LEGEND

- BEDROCK
- OVERBURDEN
- MONITORING WELL ON MOHAWK PAPER
- 46 GROUNDWATER CONTOUR

GROUNDWATER CONTOUR MAP OF THE SHALLOW MONITORING WELLS ON THE NORTHWEST SIDE OF THE OLD CHAMPLAIN CANAL. INSUFFICIENT DATA ON THE SOUTHEAST SIDE OF THE CANAL TO GENERATE A CONTOUR MAP. GROUNDWATER FLOW DIRECTION IS EXPECTED TO FLOW TOWARD CANAL FROM THE NORTH TO THE THE EAST–SOUTHEAST AND SOUTH–SOUTHEAST ON THE SOUTH SIDE OF THE CANAL TOWARD THE MOHAWK RIVER.

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GROUNDWATER CONTOUR MAP – OVERBURDEN WELLS (OCTOBER 2024)

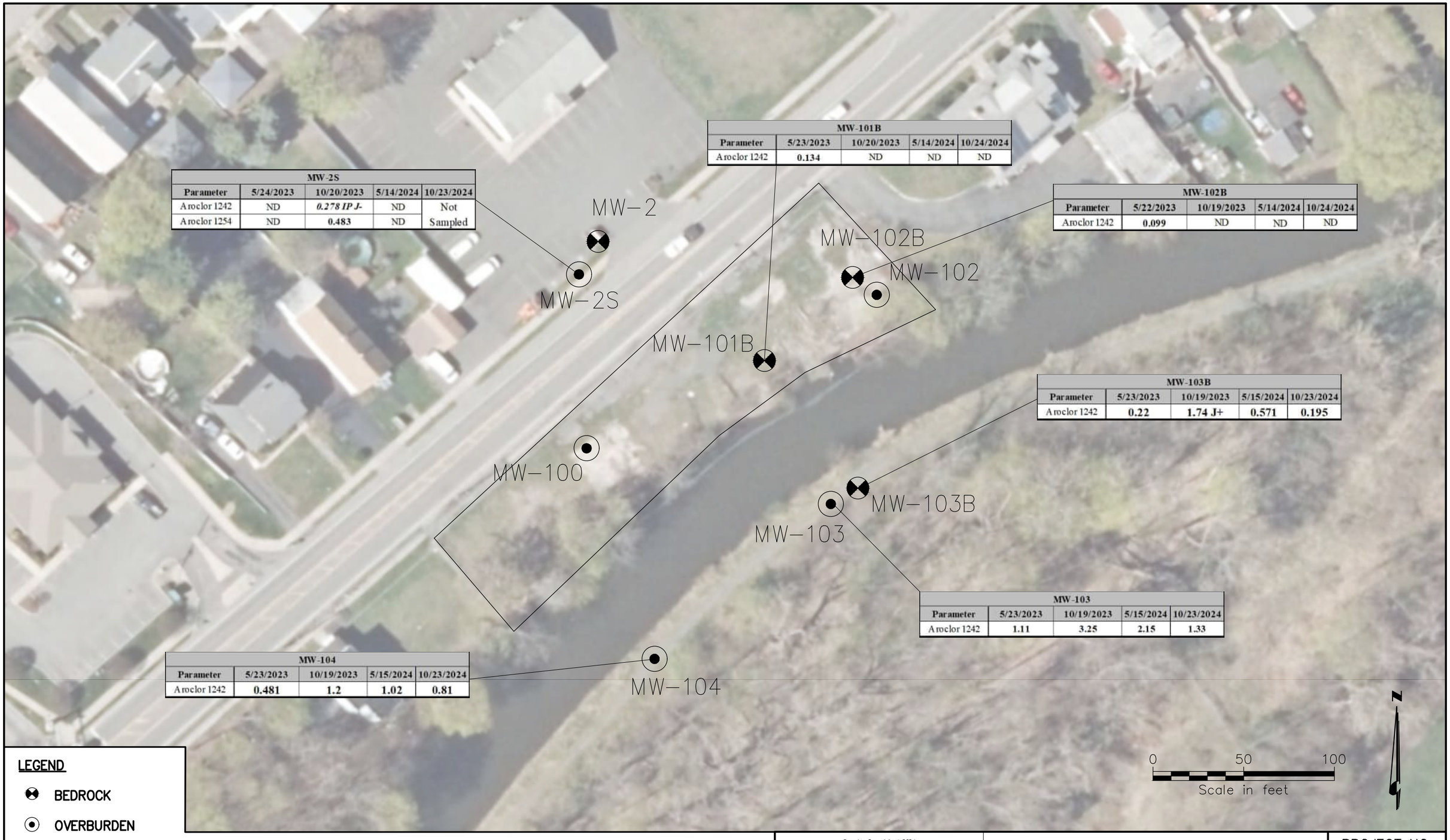
FORMER FRIEDRICHSOHN COOPERAGE
153–155 SARATOGA AVENUE
TOWN OF WATERFORD, NEW YORK

PROJECT NO. 060017.000

DATE: 11/2024

FIGURE 2

File: V:\PROJECTS\ANY\K5\060017.000\CADD_ACAD\ENVP\GW_MONITORING\60017_10-2024_GW_MONITORING_PROGRAM.DWG
Saved: 11/27/2024 3:36:47 PM Plotted: 11/27/2024 3:38:16 PM Current User: Ehmann, Karyn LastSavedBy: 5768



MW-2S				
Parameter	5/24/2023	10/20/2023	5/14/2024	10/23/2024
Aroclor 1242	ND	*0.278 IP J-*	ND	Not Sampled
Aroclor 1254	ND	**0.483**	ND	

MW-101B				
Parameter	5/23/2023	10/20/2023	5/14/2024	10/24/2024
Aroclor 1242	**0.134**	ND	ND	ND

MW-102B				
Parameter	5/22/2023	10/19/2023	5/14/2024	10/24/2024
Aroclor 1242	**0.099**	ND	ND	ND

MW-103B				
Parameter	5/23/2023	10/19/2023	5/15/2024	10/23/2024
Aroclor 1242	**0.22**	**1.74 J+**	**0.571**	**0.195**

MW-103				
Parameter	5/23/2023	10/19/2023	5/15/2024	10/23/2024
Aroclor 1242	**1.11**	**3.25**	**2.15**	**1.33**

MW-104				
Parameter	5/23/2023	10/19/2023	5/15/2024	10/23/2024
Aroclor 1242	**0.481**	**1.2**	**1.02**	**0.81**

LEGEND

- BEDROCK
- OVERBURDEN

PARAMETERS THAT HAVE EXCEEDED THE TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (AWQS) FROM MAY 2023 THROUGH OCTOBER 2024 ARE PRESENTED. BOLD VALUES INDICATE AN EXCEEDANCE OF THE AWQS.
RESULTS PRESENTED IN MICROGRAMS PER LITER (UG/L).
ND = NON-DETECT
J = ESTIMATED VALUE

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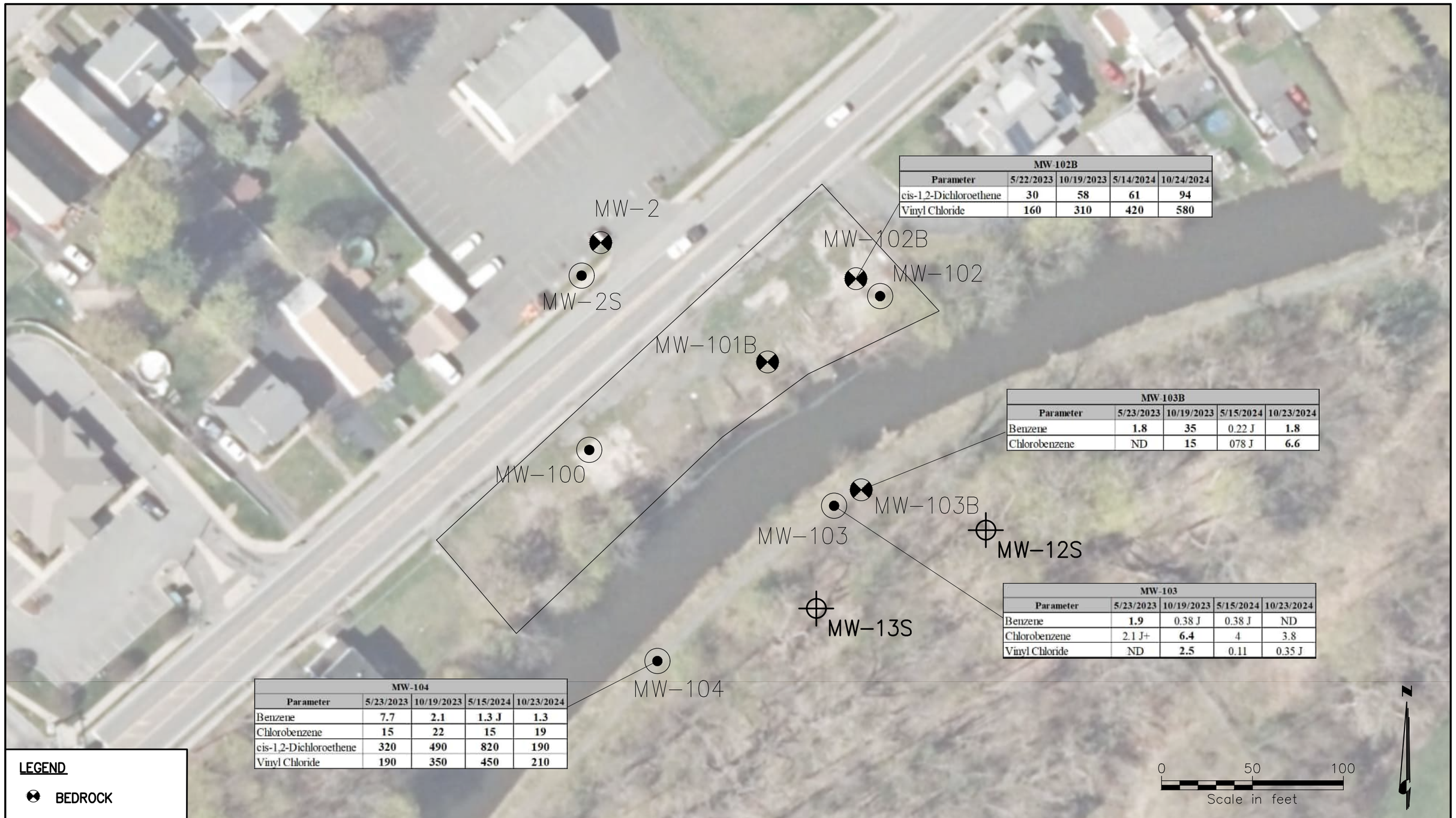
POLYCHLORINATED BIPHENYL RESULTS

FORMER FRIEDRICHSOHN COOPERAGE
153-155 SARATOGA AVENUE
TOWN OF WATERFORD, NEW YORK

PROJECT NO. 060017.000

DATE: 11/2024

FIGURE 3



MW-102B				
Parameter	5/22/2023	10/19/2023	5/14/2024	10/24/2024
cis-1,2-Dichloroethene	**30**	**58**	**61**	**94**
Vinyl Chloride	**160**	**310**	**420**	**580**

MW-103B				
Parameter	5/23/2023	10/19/2023	5/15/2024	10/23/2024
Benzene	**1.8**	**35**	0.22 J	**1.8**
Chlorobenzene	ND	**15**	078 J	**6.6**

MW-103				
Parameter	5/23/2023	10/19/2023	5/15/2024	10/23/2024
Benzene	**1.9**	0.38 J	0.38 J	ND
Chlorobenzene	2.1 J+	**6.4**	4	3.8
Vinyl Chloride	ND	**2.5**	0.11	0.35 J

MW-104				
Parameter	5/23/2023	10/19/2023	5/15/2024	10/23/2024
Benzene	**7.7**	**2.1**	**1.3 J**	**1.3**
Chlorobenzene	**15**	**22**	**15**	**19**
cis-1,2-Dichloroethene	**320**	**490**	**820**	**190**
Vinyl Chloride	**190**	**350**	**450**	**210**

LEGEND

- BEDROCK
- OVERBURDEN
- MONITORING WELLS ON MOHAWK PAPER (NOT SAMPLED)

PARAMETERS THAT HAVE EXCEEDED THE TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (AWQS) FROM MAY 2023 THROUGH OCTOBER 2024 ARE PRESENTED. BOLD VALUES INDICATE AN EXCEEDANCE OF THE AWQS.
RESULTS PRESENTED IN MICROGRAMS PER LITER (UG/L).
ND = NON-DETECT
J = ESTIMATED VALUE

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VOLATILE ORGANIC COMPOUND RESULTS

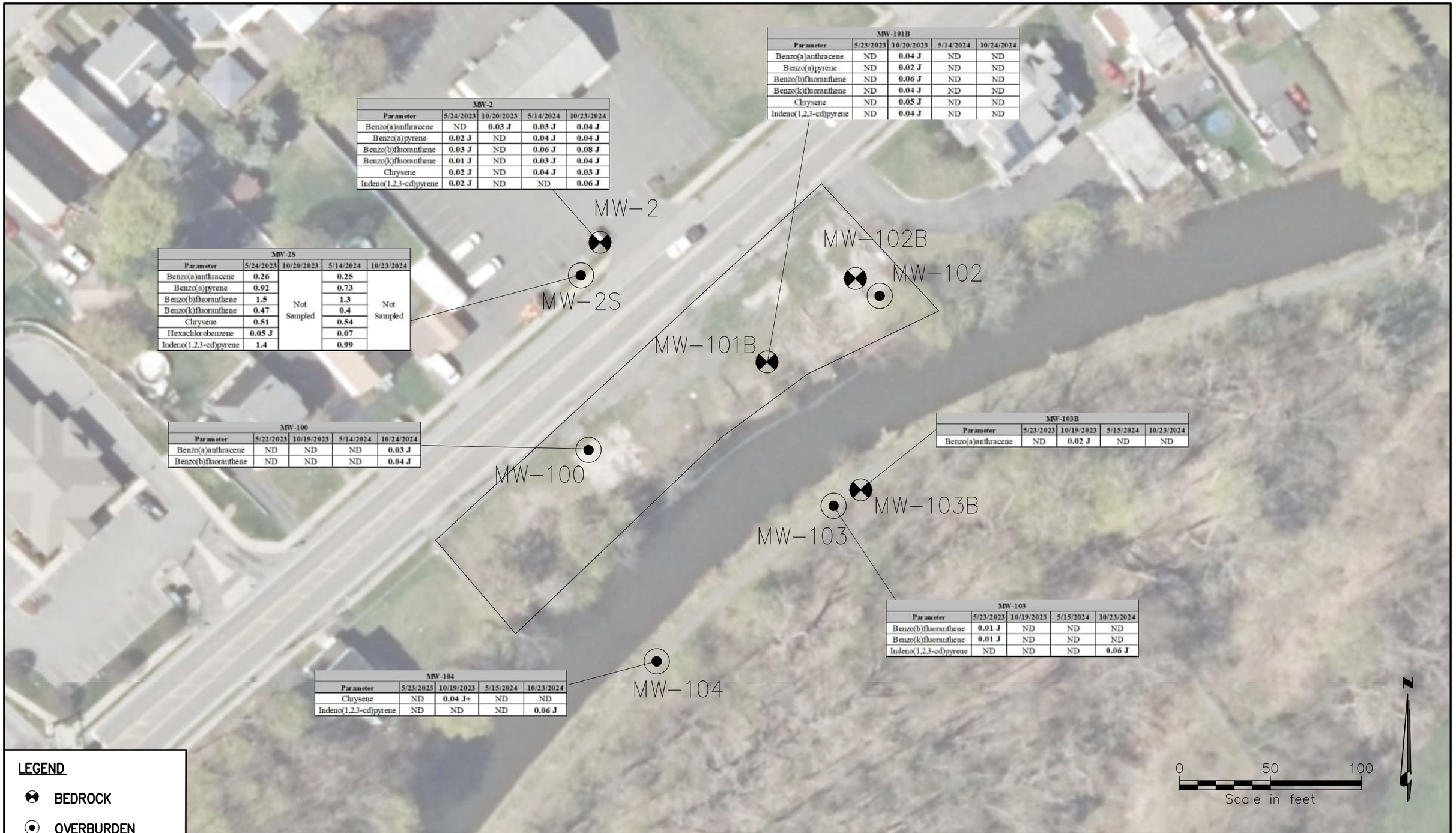
FORMER FRIEDRICHSOHN COOPERAGE
153-155 SARATOGA AVENUE
TOWN OF WATERFORD, NEW YORK

PROJECT NO. 060017.000

DATE: 11/2024

FIGURE 4

File: V:\PROJECTS\ANY\KS\060017.000\CADD_ACAD\ENVP\GW_MONITORING\60017_10-2024_GW_MONITORING_PROGRAM.DWG
Saved: 11/27/2024 3:42:58 PM Plotted: 11/27/2024 3:43:16 PM Current User: Ehmann, Karyn LastSavedBy: 5768



MW-2				
Parameter	5/24/2023	10/20/2023	5/14/2024	10/23/2024
Benzo(a)anthracene	ND	**0.03 J**	**0.03 J**	**0.04 J**
Benzo(a)pyrene	**0.02 J**	ND	**0.04 J**	**0.04 J**
Benzo(b)fluoranthene	**0.03 J**	ND	**0.06 J**	**0.08 J**
Benzo(k)fluoranthene	**0.01 J**	ND	**0.03 J**	**0.04 J**
Chrysene	**0.02 J**	ND	**0.04 J**	**0.03 J**
Indeno(1,2,3-cd)pyrene	**0.02 J**	ND	ND	**0.06 J**

MW-101B				
Parameter	5/23/2023	10/20/2023	5/14/2024	10/24/2024
Benzo(a)anthracene	ND	**0.04 J**	ND	ND
Benzo(a)pyrene	ND	**0.02 J**	ND	ND
Benzo(b)fluoranthene	ND	**0.06 J**	ND	ND
Benzo(k)fluoranthene	ND	**0.04 J**	ND	ND
Chrysene	ND	**0.05 J**	ND	ND
Indeno(1,2,3-cd)pyrene	ND	**0.04 J**	ND	ND

MW-2S				
Parameter	5/24/2023	10/20/2023	5/14/2024	10/23/2024
Benzo(a)anthracene	**0.26**	Not Sampled	**0.25**	Not Sampled
Benzo(a)pyrene	**0.92**		**0.73**	
Benzo(b)fluoranthene	**1.5**		**1.3**	
Benzo(k)fluoranthene	**0.47**		**0.4**	
Chrysene	**0.51**		**0.54**	
Hexachlorobenzene	**0.05 J**		**0.07**	
Indeno(1,2,3-cd)pyrene	**1.4**		**0.99**	

MW-100				
Parameter	5/22/2023	10/19/2023	5/14/2024	10/24/2024
Benzo(a)anthracene	ND	ND	ND	**0.03 J**
Benzo(b)fluoranthene	ND	ND	ND	**0.04 J**

MW-103B				
Parameter	5/23/2023	10/19/2023	5/15/2024	10/23/2024
Benzo(a)anthracene	ND	**0.02 J**	ND	ND

MW-103				
Parameter	5/23/2023	10/19/2023	5/15/2024	10/23/2024
Benzo(b)fluoranthene	**0.01 J**	ND	ND	ND
Benzo(k)fluoranthene	**0.01 J**	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	**0.06 J**

MW-104				
Parameter	5/23/2023	10/19/2023	5/15/2024	10/23/2024
Chrysene	ND	**0.04 J+**	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	**0.06 J**

LEGEND

- BEDROCK
- OVERBURDEN

PARAMETERS THAT HAVE EXCEEDED THE TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (AWQS) FROM MAY 2023 THROUGH OCTOBER 2024 ARE PRESENTED. BOLD VALUES INDICATE AN EXCEEDANCE OF THE AWQS. RESULTS PRESENTED IN MICROGRAMS PER LITER (UG/L).
ND = NON-DETECT
J = ESTIMATED VALUE

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SEMIVOLATILE ORGANIC COMPOUND RESULTS

FORMER FRIEDRICHSOHN COOPERAGE
153-155 SARATOGA AVENUE
TOWN OF WATERFORD, NEW YORK

PROJECT NO. 060017.000

DATE: 11/2024

FIGURE 5

ATTACHMENT 1

Field Water Quality Parameters During Groundwater Purging

Water Level Data

Project Name: Friedrichsen

Logged By: SD/CH

Project Location:

Date: 10/23/24

Project Number:

Instrument:

Well ID	Measuring Point (TOC/TOR)	Measurement Time (HR:MIN)	Depth to Water (ft.)	Comments
MW-103B		9:03	6.5	MS/MSD sample @ 9:45 10/23
MW-103		9:10	9.02	Dup
MW-104				
MW-100			7.54	
MW-101B			5.59	
MW-102			7.48	
MW-102B			~~7.54~~ 6.27	
MW-2		12:30	7.74	
MW-25		12:37	73	DRY

Comments:

Monitoring Well Sampling/ Development Log

Sample/Well ID: MW-100

Project Number:

Project/Facility Name: Friedrichsen

Project Location/Sampling Event:

Sampling Date: 10/24/24

Logged By: SD/CH

Weather/Temp: 70° cloudy

Purging/Sampling Method: P = Purging Method S = Sampling Method

P	S		
☒	☒	Submersible Pump	Model: ____
☐	☐	Peristaltic Pump	Model: ____
☐	☐	Dedicated Pump	Model: ____
☐	☐	MicroPurge Pump	Model: ____ ☐ Dedicated ☐ Disposable
☐	☐	Bailer	Type: ____
☐	☐	Other: ____	

Water Level Measurement Device:
☒ Water Level Meter Model: ____
☐ Interface Probe Model: ____

Water Quality Instrumentation:
Instrument: ____
Instrument: ____
Instrument: ____

Time Well Unlocked: ____ Time Well Locked: ____

Headspace Reading: ____ ppm ☐N/A

☐ Flush-mount casing ☐ Stickup casing

Depth to Static Water Level (ft.): ____

Pump Intake Depth (ft.): ____

Flow Rate (mL/min): ____

Controller ID No.: ____

Monitoring Well Condition: A = Acceptable U = Unacceptable

A	U		A	U		A	U	
☐	☐	Well visibility	☐	☐	Surface seal	☐	☐	Total depth
☐	☐	Well Identification	☐	☐	Surface casing condition	☐	☐	Siltation level
☐	☐	Well lock/security	☐	☐	Corrosion of surface casing	☐	☐	Recharge Rate
☐	☐	Well cap & gripper plug	☐	☐	Inner Casing/Screen Integrity	☐	☐	Other: ____

Field Analysis:

Time	Depth to Water (ft.)	ORP/Eh (mV)	pH	Cond. (mS/cm)	Turbidity (NTU)	D.O. (mg/L)	Temp. (°C)	Other Field Data:	Other Field Data:	Other Field Data:	Other Field Data:
11:00		85.3	6.58	1.204	48.36	1.31	16.4				
11:03		83.6	6.58	1.193	104.00	1.21	16.3				
11:06		79.4	6.57	1.201	75.97	1.15	16.4				
11:09		76.7	6.57	1.198	70.57	1.15	16.4				
11:12		74.4	6.56	1.203	34.76	1.13	16.4				
11:15		72.6	6.56	1.205	31.35	1.10	16.4				
11:18		71.8	6.56	1.204	37.02	1.10	16.4				
11:21		71.8	6.56	1.202	40.95	1.10	16.4				
11:24		71.7	6.56	1.201	39.85	1.10	16.4				
11:27		71.6	6.56	1.201	41.17	1.10	16.4				
~~11:30~~											

Start Purge Time: 11:00 Total Vol. Purged: ____ gal. Odor: ____ Purge Water Disposal Method: ____

End Purge Time: 11:30 Total Purge Time: ____ min Color: ____ Sheen Observed?: ____

Sampling Information: Sampling Time: 11:30 Laboratory: ____

Sample Analyses: ____ No. Bottles: ____

Comments/Additional Observations:

Signature(s) of Sampling Team:

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Monitoring Well Sampling/ Development Log

Sample/Well ID: MW-101B

Project Number: 666017
Sampling Date: 10/24/24
Project/Facility Name:
Logged By: CRH
Project Location/Sampling Event:
Weather/Temp:

Purging/Sampling Method: P = Purging Method S = Sampling Method

P	S		
☐	☐	Submersible Pump	Model: _____
☐	☐	Peristaltic Pump	Model: _____
☐	☐	Dedicated Pump	Model: _____
☐	☐	MicroPurge Pump	Model: _____ ☐ Dedicated ☐ Disposable
☐	☐	Bailer	Type: _____
☐	☐	Other: _____	

Water Level Measurement Device:
☐ Water Level Meter Model: _____
☐ Interface Probe Model: _____

Water Quality Instrumentation:
Instrument: _____
Instrument: _____
Instrument: _____

Time Well Unlocked: _____ Time Well Locked: _____
Headspace Reading: _____ ppm ☐N/A
☐ Flush-mount casing ☐ Stickup casing

Depth to Static Water Level (ft.): _____

Pump Intake Depth (ft.): _____

Flow Rate (mL/min): _____

Controller ID No.: _____

Monitoring Well Condition: A = Acceptable U = Unacceptable

A	U		A	U		A	U	
☐	☐	Well visibility	☐	☐	Surface seal	☐	☐	Total depth
☐	☐	Well Identification	☐	☐	Surface casing condition	☐	☐	Siltation level
☐	☐	Well lock/security	☐	☐	Corrosion of surface casing	☐	☐	Recharge Rate
☐	☐	Well cap & gripper plug	☐	☐	Inner Casing/Screen Integrity	☐	☐	Other: _____

Field Analysis:

Time	Depth to Water (ft.)	ORP/Eh (mV)	pH	Cond. (mS/cm)	Turbidity (NTU)	D.O. (mg/L)	Temp. (°C)	Other Field Data:	Other Field Data:	Other Field Data:	Other Field Data:
10:05		-54.4	7.49	1.082	778.92	2.30	14.2				
10:07		-69.2	7.47	1.085	717.24	1.85	14.4				
10:09		-57.2	7.47	1.088	690.71	1.77	14.7				
10:11		-57.4	7.47	1.092	621.43	1.72	14.7				
10:13		-52.3	7.47	1.098	746.12	1.74	14.7				
10:15		-51.6	7.47	1.093	782.49	1.76	14.7				

Start Purge Time: 10:00 Total Vol. Purged: 3 gal. Odor: None Purge Water Disposal Method: DRUM
End Purge Time: 10:15 Total Purge Time: 15 min Color: gray Sheen Observed?: no

Sampling Information: Sampling Time: 10:15 Laboratory: _____
Sample Analyses: see COC No. Bottles: _____

Comments/Additional Observations:

Signature(s) of Sampling Team:

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Monitoring Well Sampling/ Development Log

Sample/Well ID: MW-102

Project Number: 0600017
Sampling Date: 10/24/24
Project/Facility Name: FRIEDRICHSOHN
Logged By: CRH
Project Location/Sampling Event: Oct 2024 GW Sampling
Weather/Temp: sunny

Purging/Sampling Method: P = Purging Method S = Sampling Method

P	S		
☒	☒	Submersible Pump	Model: Monsoon
☐	☐	Peristaltic Pump	Model: _____
☐	☐	Dedicated Pump	Model: _____
☐	☐	MicroPurge Pump	Model: _____ ☒ Dedicated ☐ Disposable
☐	☐	Bailer	Type: _____
☐	☐	Other: _____	

Water Level Measurement Device:
☒ Water Level Meter Model: Heron
☐ Interface Probe Model: _____

Water Quality Instrumentation:
Instrument: YSI DSS Pro
Instrument: _____
Instrument: _____

Time Well Unlocked: _____ Time Well Locked: _____
Headspace Reading: _____ ppm ☐ N/A
☒ Flush-mount casing ☐ Stickup casing

Depth to Static Water Level (ft.): _____
Pump Intake Depth (ft.): _____
Flow Rate (mL/min): _____
Controller ID No.: _____

Monitoring Well Condition: A = Acceptable U = Unacceptable

A	U		A	U		A	U	
☒	☐	Well visibility	☒	☐	Surface seal	☒	☐	Total depth
☒	☐	Well Identification	☒	☐	Surface casing condition	☒	☐	Siltation level
☒	☐	Well lock/security	☒	☐	Corrosion of surface casing	☒	☐	Recharge Rate
☒	☐	Well cap & gripper plug	☒	☐	Inner Casing/Screen Integrity	☐	☐	Other: _____

Field Analysis:

Time	Depth to Water (ft.)	ORP/Eh (mV)	pH	Cond. (mS/cm)	Turbidity (NTU)	D.O. (mg/L)	Temp. (°C)	Other Field Data:	Other Field Data:	Other Field Data:	Other Field Data:
9:02		-25.4	6.74	0.468	42.45	1.06	19.6				
9:04		-20.3	6.74	0.467	16.14	1.06	19.6				
9:06		-17.5	6.73	0.465	3.52	1.08	19.7				
9:08		-18.9	6.73	0.467	10.69	1.06	19.7				
9:10		-17.1	6.73	0.462	0.71	1.07	19.7				

Start Purge Time: 9:00 Total Vol. Purged: 95 gal. Odor: None Purge Water Disposal Method: DRUM
End Purge Time: 9:20 Total Purge Time: 20 min Color: Clear Sheen Observed?: None

Sampling Information:
Sample Analyses: See COC
Sampling Time: 9:15 Laboratory: Pace
No. Bottles: _____

Comments/Additional Observations:

Signature(s) of Sampling Team:

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Monitoring Well Sampling/ Development Log

Sample/Well ID: MW-103B

Project Number: 060017
Project/Facility Name: Friedrichsohn
Project Location/Sampling Event: Oct 2024 GTW

Sampling Date: 10/23/24
Logged By: CRH
Weather/Temp: Sunny

Purging/Sampling Method: P = Purging Method S = Sampling Method

P	S		
☒	☒	Submersible Pump	Model: Monsoon
☐	☐	Peristaltic Pump	Model: ____
☐	☐	Dedicated Pump	Model: ____
☐	☐	MicroPurge Pump	Model: ____ ☐ Dedicated ☐ Disposable
☐	☐	Bailer	Type: ____
☐	☐	Other: ____	

Water Level Measurement Device:
☒ Water Level Meter Model: Heron
☐ Interface Probe Model: ____

Water Quality Instrumentation:
Instrument: YSI DSS PRO
Instrument: ____
Instrument: ____

Time Well Unlocked: 9:10 Time Well Locked: ____
Headspace Reading: ____ ppm ☒ N/A
☒ Flush-mount casing ☐ Stickup casing

Depth to Static Water Level (ft.): 6.5
Pump Intake Depth (ft.): ____
Flow Rate (mL/min): ____
Controller ID No.: ____

Monitoring Well Condition: A = Acceptable U = Unacceptable

A	U		A	U		A	U	
☒	☐	Well visibility	☒	☐	Surface seal	☒	☐	Total depth
☐	☐	Well Identification	☒	☐	Surface casing condition	☒	☐	Siltation level
☒	☐	Well lock/security	☒	☐	Corrosion of surface casing	☒	☐	Recharge Rate
☒	☐	Well cap & gripper plug	☒	☐	Inner Casing/Screen Integrity	☐	☐	Other: ____

Field Analysis:

Time	Depth to Water (ft.)	ORP/Eh (mV)	pH	Cond. (mS/cm)	Turbidity (NTU)	D.O. (mg/L)	Temp. (°C)	Other Field Data:	Other Field Data:	Other Field Data:	Other Field Data:
9:18		71.3	7.56	0.693	1000	1.24	14.8				
9:20		70.7	7.49	0.695	1000	1.21	15.3				
9:22		73.4	7.50	0.696	1000	1.17	14.7				
9:24		64.5	7.50	0.697	1000	1.16	14.8				
9:26		68.2	7.50	0.692	1000	1.14	14.8				
9:28		69.7	7.50	0.696	1000	1.12	14.8				

Start Purge Time: 9:15 Total Vol. Purged: 1.5 gal. Odor: N/A Purge Water Disposal Method: DRUM
End Purge Time: 9:30 Total Purge Time: 15 min Color: Gray Sheen Observed?: No

Sampling Information:
Sampling Time: 9:45 Laboratory: Pace
Sample Analyses: See COC No. Bottles: ____

Comments/Additional Observations:
MS/MSD @ 9:45

Signature(s) of Sampling Team:

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Monitoring Well Sampling/ Development Log

Sample/Well ID: MW-102B

Project Number: Frederickson
Project/Facility Name: 060017
Project Location/Sampling Event: Oct 2024 GW sampling

Sampling Date: 10/24/24
Logged By: CRH
Weather/Temp: Cloudy 54°

Purging/Sampling Method: P = Purging Method S = Sampling Method

P	S			
☒	☒	Submersible Pump	Model: Monsoon	
☐	☐	Peristaltic Pump	Model:	
☐	☐	Dedicated Pump	Model:	
☐	☐	MicroPurge Pump	Model:	☒ Dedicated ☐ Disposable
☐	☐	Bailer	Type:	
☐	☐	Other:		

Water Level Measurement Device:
☒ Water Level Meter Model: Heron
☐ Interface Probe Model:

Water Quality Instrumentation:
Instrument: YSI DSS PRO
Instrument:
Instrument:

Time Well Unlocked: Time Well Locked:
Headspace Reading: ppm ☐N/A
☐ Flush-mount casing ☐ Stickup casing

Depth to Static Water Level (ft.):
Pump Intake Depth (ft.):
Flow Rate (mL/min):
Controller ID No.:

Monitoring Well Condition: A = Acceptable U = Unacceptable

A	U		A	U		A	U	
☒	☐	Well visibility	☒	☐	Surface seal	☒	☐	Total depth
☐	☒	Well Identification	☒	☐	Surface casing condition	☒	☐	Siltation level
☒	☐	Well lock/security	☒	☐	Corrosion of surface casing	☒	☐	Recharge Rate
☒	☐	Well cap & gripper plug	☒	☐	Inner Casing/Screen Integrity	☐	☐	Other:

Field Analysis:

Time	Depth to Water (ft.)	ORP/Eh (mV)	pH	Cond. (mS/cm)	Turbidity (NTU)	D.O. (mg/L)	Temp. (°C)	Other Field Data:	Other Field Data:	Other Field Data:	Other Field Data:
8:27		-9.8	7.41	1.191	8.05	2.31	15.3				
8:29		-7.8	7.38	1.192	8.22	2.26	15.4				
8:31		-8.2	7.37	1.193	7.86	2.23	15.5				
8:33		-8.7	7.35	1.195	9.96	2.30	15.5				
8:35		-9.1	7.32	1.194	13.95	2.22	15.5				
8:37		-9.3	7.32	1.192	14.15	2.21	15.5				
8:39		-9.4	7.32	1.188	14.88	2.21	15.5				
8:41		-9.7	7.32	1.190	14.57	2.21	15.5				

Start Purge Time: 8:25 Total Vol. Purged: 2 gal. Odor: None Purge Water Disposal Method: DRUM
End Purge Time: 8:45 Total Purge Time: 20 min Color: clear Sheen Observed?: no

Sampling Information: Sampling Time: 8:45 Laboratory: Pace
Sample Analyses: See COC No. Bottles:

Comments/Additional Observations:

Signature(s) of Sampling Team:

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Monitoring Well Sampling/ Development Log

Sample/Well ID: MW-2

Project Number: 060017
Project/Facility Name: Friedrichsohn
Project Location/Sampling Event: Oct 2024 GW

Sampling Date: 10/23/24
Logged By: CRH
Weather/Temp: Sunny

Purging/Sampling Method: P = Purging Method S = Sampling Method

P	S		
☒	☒	Submersible Pump	Model: Monsoon
☐	☐	Peristaltic Pump	Model: _____
☐	☐	Dedicated Pump	Model: _____
☐	☐	MicroPurge Pump	Model: _____ ☐ Dedicated ☐ Disposable
☐	☐	Bailer	Type: _____
☐	☐	Other: _____	

Water Level Measurement Device:
☒ Water Level Meter Model: Heron
☐ Interface Probe Model: _____

Water Quality Instrumentation:
Instrument: YSI DSS PRO
Instrument: _____
Instrument: _____

Time Well Unlocked: _____ Time Well Locked: _____
Headspace Reading: _____ ppm ☐N/A
☒ Flush-mount casing ☐ Stickup casing

Depth to Static Water Level (ft.): _____
Pump Intake Depth (ft.): _____
Flow Rate (mL/min): _____
Controller ID No.: _____

Monitoring Well Condition: A = Acceptable U = Unacceptable

A	U		A	U		A	U	
☒	☐	Well visibility	☒	☐	Surface seal	☒	☐	Total depth
☐	☒	Well Identification	☒	☐	Surface casing condition	☒	☐	Siltation level
☒	☐	Well lock/security	☒	☐	Corrosion of surface casing	☒	☐	Recharge Rate
☒	☐	Well cap & gripper plug	☒	☐	Inner Casing/Screen Integrity	☐	☐	Other: _____

Field Analysis:

Time	Depth to Water (ft.)	ORP/Eh (mV)	pH	Cond. (mS/cm)	Turbidity (NTU)	D.O. (mg/L)	Temp. (°C)	Other Field Data:	Other Field Data:	Other Field Data:	Other Field Data:
12:40	7.7	89.7	7.30	0.850	4.82	1.25	17.3				
12:43	7.7	43.1	7.32	1.145	.87	1.14	17.4				
12:46	7.7	3.2	7.32	1.209	4.52	1.16	18.3				
12:49	7.7	-22	7.33	1.297	1.00	1.12	17.5				
12:52	7.7	-40.9	7.32	1.304	2.08	1.08	17.4				
12:55	7.7	-51.7	7.29	1.307	3.80	1.08	17.6				
12:58	7.7	-50.1	7.29	1.306	1.40	1.09	17.6				

Start Purge Time: 12:35 Total Vol. Purged: _____ gal. Odor: _____ Purge Water Disposal Method: _____
End Purge Time: _____ Total Purge Time: _____ min Color: _____ Sheen Observed?: _____

Sampling Information: Sampling Time: _____ Laboratory: _____
Sample Analyses: _____ No. Bottles: _____

Comments/Additional Observations:

Signature(s) of Sampling Team:

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Monitoring Well Sampling/ Development Log

Sample/Well ID: MW-104

Project Number: Friedrichsohn	Sampling Date: 10/23/24
Project/Facility Name:	Logged By: SD/CH
Project Location/Sampling Event:	Weather/Temp: 80s sun

Purging/Sampling Method: P = Purging Method S = Sampling Method

P	S		
☒	☒	Submersible Pump	Model: ____
☐	☐	Peristaltic Pump	Model: ____
☐	☐	Dedicated Pump	Model: ____
☐	☐	MicroPurge Pump	Model: ____ ☐ Dedicated ☐ Disposable
☐	☐	Bailer	Type: ____
☐	☐	Other: ____	

Water Level Measurement Device:
☒ Water Level Meter Model: Heron
☐ Interface Probe Model: ____

Water Quality Instrumentation:
Instrument: YSI
Instrument: ____
Instrument: ____

Time Well Unlocked: ____ Time Well Locked: ____
Headspace Reading: ____ ppm ☐N/A
☒ Flush-mount casing ☐ Stickup casing

Depth to Static Water Level (ft.): 9.02

Pump Intake Depth (ft.): ____

Flow Rate (mL/min): ____

Controller ID No.: ____

Monitoring Well Condition: A = Acceptable U = Unacceptable

A	U		A	U		A	U	
☒	☐	Well visibility	☒	☐	Surface seal	☒	☐	Total depth
☒	☐	Well Identification	☒	☐	Surface casing condition	☒	☐	Siltation level
☒	☐	Well lock/security	☒	☐	Corrosion of surface casing	☒	☐	Recharge Rate
☒	☐	Well cap & gripper plug	☒	☐	Inner Casing/Screen Integrity	☐	☐	Other: ____

Field Analysis:

Time	Depth to Water (ft.)	ORP/Eh (mV)	pH	Cond. (mS/cm)	Turbidity (NTU)	D.O. (mg/L)	Temp. (°C)	Other Field Data:	Other Field Data:	Other Field Data:	Other Field Data:
11:18	10:89	-22	6.99	0.542	2252	1.30	16.9				
11:21	10:93	-14.9	6.96	~~0.538~~ 0.538	1899	1.69	17.5				
11:24	10:93	-69.6	6.96	0.535	1475	1.18	17.3				
11:27	10.93	-79.0	6.96	0.533	1106	1.10	17.2				
11:30	10.93	-83.2	6.96	0.528	555	1.07	17.0				
11:33	10.93	-83.7	6.95	0.528	485	1.06	16.9				
11:36	10.93	-84.8	6.91	0.528	301	1.04	16.8				
11:39	10.93	-84.9	6.91	0.528	305	1.05	16.8				
11:42	10.93	-84.7	6.91	0.528	309	1.05	16.8				
11:45	10.93	-84.9	6.91	0.528	310	1.05	16.8				

Start Purge Time: 11:10 Total Vol. Purged: 3 gal. Odor: No Purge Water Disposal Method: drum
End Purge Time: 11:45 Total Purge Time: 35 min Color: gray Sheen Observed?: No

Sampling Information: Sampling Time: 11:45 Laboratory: ____
Sample Analyses: ____ No. Bottles: ____

Comments/Additional Observations:

Signature(s) of Sampling Team:

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Monitoring Well Sampling/ Development Log

Sample/Well ID: MW-103

Project Number: 060017
Sampling Date: 10/23/24
Project/Facility Name: Friedrichsohn
Logged By: CRH
Project Location/Sampling Event: Oct 2024 GW Sampling
Weather/Temp: Sunny

Purging/Sampling Method: P = Purging Method S = Sampling Method

P	S		
☒	☒	Submersible Pump	Model: Monsoon
☐	☐	Peristaltic Pump	Model: ____
☐	☐	Dedicated Pump	Model: ____
☐	☐	MicroPurge Pump	Model: ____ ☐ Dedicated ☐ Disposable
☐	☐	Bailer	Type: ____
☐	☐	Other: ____	

Water Level Measurement Device:
☒ Water Level Meter Model: Heron
☐ Interface Probe Model: ____

Water Quality Instrumentation:
Instrument: YSI DSS Pro
Instrument: ____
Instrument: ____

Time Well Unlocked: ____ Time Well Locked: ____
Headspace Reading: ____ ppm ☒ N/A
☒ Flush-mount casing ☐ Stickup casing

Depth to Static Water Level (ft.): ____
Pump Intake Depth (ft.): ____
Flow Rate (mL/min): ____
Controller ID No.: ____

Monitoring Well Condition: A = Acceptable U = Unacceptable

A	U		A	U		A	U	
☒	☐	Well visibility	☒	☐	Surface seal	☒	☐	Total depth
☐	☒	Well Identification	☒	☐	Surface casing condition	☒	☐	Siltation level
☒	☐	Well lock/security	☒	☐	Corrosion of surface casing	☒	☐	Recharge Rate
☒	☐	Well cap & gripper plug	☒	☐	Inner Casing/Screen Integrity	☐	☐	Other: ____

Field Analysis:

Time	Depth to Water (ft.)	ORP/Eh (mV)	pH	Cond. (mS/cm)	Turbidity (NTU)	D.O. (mg/L)	Temp. (°C)	Other Field Data:	Other Field Data:	Other Field Data:	Other Field Data:
10:26		-56.1	7.38	0.581	87.45	1.13	17.7				
10:28		-85.4	7.37	0.576	28.30	1.06	17.7				
10:30		-89.4	7.37	0.576	24.36	1.06	17.7				
10:32		-86.3	7.38	0.874	10.51	1.06	17.7				

Start Purge Time: 10:25 Total Vol. Purged: ____ gal. Odor: N/A Purge Water Disposal Method: Drum
End Purge Time: ____ Total Purge Time: ____ min Color: gray Sheen Observed?: none

Sampling Information: Sampling Time: 10:45 Laboratory: Pace
Sample Analyses: ____ No. Bottles: ____

Comments/Additional Observations:

Signature(s) of Sampling Team:

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ATTACHMENT 2

Drum Removal Manifest

AMERICAN LABELMARK CO. – CHICAGO, IL 60646 299592-DQ

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NA

Manifest Document No. 2024-2068 — 2. Page 1 of 1

3. Generator's Name and Mailing Address
Friedrichsohn Cooperage Trust
153-155 Saratoga Ave Watervliet, NY 12188

4. Generator's Phone (315) 257-7250

5. Transporter 1 Company Name
SVS Inc.
Corbett Industrial Cleaning

6. US EPA ID Number NYR000235168

A. State Transporter's ID 4A-708

B. Transporter 1 Phone (518) 439-3956

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
VLS Lancaster LLC
1076 Old Manheim Pike
Lancaster, PA 17601

10. US EPA ID Number PAD987246749

E. State Facility's ID

F. Facility's Phone (717) 393-2627

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT Regulated Liquid (Purge WATER)	1	DM	350	P
b.				
c.				
d.				

G. Additonal Descriptions for Materials Listed Above
11a) Profile # 134869 ERC-LF

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Lic Plate # 2496SNA (NY)

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Caroline Hurlburt — Signature — Date: Month 11 Day 15 Year 24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Will Shippey — Signature — Date: Month 11 Day 15 Year 24

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

FACILITY

19. Discrepancy Indication Space

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

Rev. 3/95

ATTACHMENT 3

Analytical Laboratory Report

ANALYTICAL REPORT

Lab Number:	L2462016
Client:	CHA Companies 3 Winners Circle Albany, NY 12205
ATTN:	Samantha Miller
Phone:	(518) 453-8749
Project Name:	FRIEDRICHSOHN OCT 2024
Project Number:	060017
Report Date:	10/31/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2462016-01	MW-100-20241024	WATER	WATERFORD, NY	10/24/24 11:30	10/24/24
L2462016-02	MW-101B-20241024	WATER	WATERFORD, NY	10/24/24 10:15	10/24/24
L2462016-03	MW-102-20241024	WATER	WATERFORD, NY	10/24/24 09:15	10/24/24
L2462016-04	MW-102B-20241024	WATER	WATERFORD, NY	10/24/24 08:45	10/24/24
L2462016-05	MW-103-20241023	WATER	WATERFORD, NY	10/23/24 10:45	10/24/24
L2462016-06	MW-103B-20241023	WATER	WATERFORD, NY	10/23/24 09:45	10/24/24
L2462016-07	MW-104-20241023	WATER	WATERFORD, NY	10/23/24 11:45	10/24/24
L2462016-08	DUP-1-20241023	WATER	WATERFORD, NY	10/23/24 12:00	10/24/24
L2462016-09	MW-2-20241023	WATER	WATERFORD, NY	10/23/24 13:00	10/24/24
L2462016-10	WC-1-20241024	WATER	WATERFORD, NY	10/24/24 12:00	10/24/24
L2462016-11	TRIP BLANK	WATER	WATERFORD, NY	10/24/24 00:00	10/24/24

Project Name:	FRIEDRICHSOHN OCT 2024	**Lab Number:**	L2462016
Project Number:	060017	**Report Date:**	10/31/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FRIEDRICHSOHN OCT 2024	**Lab Number:**	L2462016
Project Number:	060017	**Report Date:**	10/31/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2462016-10: Sample containers for the Ammonia analysis were received, but not listed on the chain of custody. At the client's request, the analysis was not performed.

Volatile Organics

L2462016-11: The Trip Blank has results for acetone present above the reporting limit. The sample was re-analyzed and confirmed the original results. The results of the original analysis are reported.

PCBs

L2462016-05, -06, -07, and -08: The sample contains peaks which match the retention times for Aroclor 1242, but do not match the area ratios typical for this aroclor. The result for Aroclor 1242 is reported as "altered".

Total Metals

L2462016-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the prep dilution required by the sample matrix.

The WG1990370-3 MS recovery for sodium (57%), performed on L2462016-06, does not apply because the sample concentration is greater than four times the spike amount added.

Nitrogen, Ammonia

L2462016-01: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Total Organic Carbon

Project Name:	FRIEDRICHSOHN OCT 2024	**Lab Number:**	L2462016
Project Number:	060017	**Report Date:**	10/31/24

Case Narrative (continued)

L2462016-09: The sample has an elevated detection limit due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 10/31/24

ORGANICS

VOLATILES

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-01
Client ID: MW-100-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 11:30
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/24 00:30
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.11	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-01 Date Collected: 10/24/24 11:30

Client ID: MW-100-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-02 Date Collected: 10/24/24 10:15
Client ID: MW-101B-20241024 Date Received: 10/24/24
Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/24 00:55
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-02 Date Collected: 10/24/24 10:15

Client ID: MW-101B-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	108		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-03
Client ID: MW-102-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 09:15
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/24 01:21
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-03 Date Collected: 10/24/24 09:15

Client ID: MW-102-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-04 Date Collected: 10/24/24 08:45
Client ID: MW-102B-20241024 Date Received: 10/24/24
Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/24 01:47
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	730	E	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-04 Date Collected: 10/24/24 08:45

Client ID: MW-102B-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	94		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-04 D
Client ID: MW-102B-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 08:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/30/24 20:40
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	580		ug/l	20	1.4	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-05
Client ID: MW-103-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 10:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/24 02:12
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	3.8		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.13	J	ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.35	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-05 Date Collected: 10/23/24 10:45

Client ID: MW-103-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-06
Client ID: MW-103B-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 09:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/24 02:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	6.6		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.21	J	ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.8		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.29	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-06 Date Collected: 10/23/24 09:45

Client ID: MW-103B-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-07
Client ID: MW-104-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 11:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/24 03:03
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	19		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.3		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	230	E	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.23	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-07 Date Collected: 10/23/24 11:45

Client ID: MW-104-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	1.4	J	ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	190		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-07 D
Client ID: MW-104-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 11:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/30/24 20:16
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	210		ug/l	5.0	0.36	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-08
Client ID: DUP-1-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 12:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/24 03:29
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	3.4		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.24	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-08 Date Collected: 10/23/24 12:00

Client ID: DUP-1-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-09
Client ID: MW-2-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 13:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/24 03:54
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-09 Date Collected: 10/23/24 13:00

Client ID: MW-2-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-10
Client ID: WC-1-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 12:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/24 04:20
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	7.4		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-10 Date Collected: 10/24/24 12:00

Client ID: WC-1-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	3.5		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-11 Date Collected: 10/24/24 00:00
Client ID: TRIP BLANK Date Received: 10/24/24
Sample Location: WATERFORD, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/24 04:45
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-11 Date Collected: 10/24/24 00:00

Client ID: TRIP BLANK Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	19		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	107		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/28/24 20:15
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1990236-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/28/24 20:15
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1990236-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/28/24 20:15
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1990236-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/30/24 19:28
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,07 Batch: WG1991296-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/30/24 19:28
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,07 Batch: WG1991296-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/30/24 19:28
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,07 Batch: WG1991296-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1990236-3 WG1990236-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	120		110		70-130	9		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	93		95		63-130	2		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	140		140		62-150	0		20
1,2-Dichloroethane	120		120		70-130	0		20
1,1,1-Trichloroethane	120		110		67-130	9		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	78		81		54-136	4		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	110		110		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	110		100		64-130	10		20
Bromomethane	68		78		39-139	14		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1990236-3 WG1990236-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	97		100		63-130	3		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	110		105		70-130	5		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	100		110		58-148	10		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	96		100		59-130	4		20
2-Hexanone	97		100		57-130	3		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	79		88		41-144	11		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	97		100		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1990236-3 WG1990236-4								
1,2,4-Trichlorobenzene	97		99		70-130	2		20
Methyl Acetate	110		120		70-130	9		20
Cyclohexane	130		130		70-130	0		20
1,4-Dioxane	90		92		56-162	2		20
Freon-113	**140**	Q	130		70-130	7		20
Methyl cyclohexane	120		120		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	123		122		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	102		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07 Batch: WG1991296-3 WG1991296-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	98		100		63-130	2		20
1,1,2-Trichloroethane	92		97		70-130	5		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	100		98		62-150	2		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	97		100		67-130	3		20
trans-1,3-Dichloropropene	90		95		70-130	5		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	88		93		54-136	6		20
1,1,2,2-Tetrachloroethane	92		94		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	88		91		64-130	3		20
Bromomethane	58		68		39-139	16		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07 Batch: WG1991296-3 WG1991296-4								
Chloroethane	**180**	Q	**180**	Q	55-138	0		20
1,1-Dichloroethene	98		100		61-145	2		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		110		70-130	10		20
Methyl tert butyl ether	77		79		63-130	3		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	98		110		70-130	12		20
Styrene	105		110		70-130	5		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	76		77		58-148	1		20
Carbon disulfide	94		94		51-130	0		20
2-Butanone	87		92		63-138	6		20
4-Methyl-2-pentanone	85		86		59-130	1		20
2-Hexanone	73		77		57-130	5		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	98		99		70-130	1		20
1,2-Dibromo-3-chloropropane	87		88		41-144	1		20
Isopropylbenzene	97		100		70-130	3		20
1,2,3-Trichlorobenzene	97		100		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07 Batch: WG1991296-3 WG1991296-4								
1,2,4-Trichlorobenzene	100		110		70-130	10		20
Methyl Acetate	77		81		70-130	5		20
Cyclohexane	94		96		70-130	2		20
1,4-Dioxane	94		92		56-162	2		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	96		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		102		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	102		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024 ***Lab Number:*** L2462016

Project Number: 060017 ***Report Date:*** 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1990236-6 WG1990236-7 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
Methylene chloride	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	9.2	92		9.2	92		63-130	0		20
1,1,2-Trichloroethane	ND	10	10	100		10	100		70-130	0		20
Tetrachloroethene	ND	10	10	100		11	110		70-130	10		20
Chlorobenzene	6.6	10	19	124		15	84		75-130	**24**	Q	20
Trichlorofluoromethane	ND	10	15	150		15	150		62-150	0		20
1,2-Dichloroethane	0.21J	10	12	120		12	120		70-130	0		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	10	100		10	100		67-130	0		20
trans-1,3-Dichloropropene	ND	10	9.4	94		9.9	99		70-130	5		20
cis-1,3-Dichloropropene	ND	10	9.5	95		9.6	96		70-130	1		20
Bromoform	ND	10	7.7	77		7.6	76		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		10	100		67-130	0		20
Benzene	1.8	10	14	122		13	112		70-130	7		20
Toluene	ND	10	10	100		11	110		70-130	10		20
Ethylbenzene	ND	10	11	110		11	110		70-130	0		20
Chloromethane	ND	10	11	110		11	110		64-130	0		20
Bromomethane	ND	10	5.4	54		4.6	46		39-139	16		20
Vinyl chloride	0.29J	10	13	130		13	130		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1990236-6 WG1990236-7 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
Chloroethane	ND	10	12	120		12	120		55-138	0		20
1,1-Dichloroethene	ND	10	12	120		12	120		61-145	0		20
trans-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Trichloroethene	ND	10	10	100		10	100		70-130	0		20
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	9.4	94		9.9	99		70-130	5		20
1,4-Dichlorobenzene	ND	10	9.7	97		10	100		70-130	3		20
Methyl tert butyl ether	ND	10	9.9	99		9.7	97		63-130	2		20
p/m-Xylene	ND	20	21	105		22	110		70-130	5		20
o-Xylene	ND	20	21	105		21	105		70-130	0		20
cis-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Styrene	ND	20	20	100		21	105		70-130	5		20
Dichlorodifluoromethane	ND	10	12	120		12	120		36-147	0		20
Acetone	ND	10	13	130		11	110		58-148	17		20
Carbon disulfide	ND	10	12	120		12	120		51-130	0		20
2-Butanone	ND	10	11	110		11	110		63-138	0		20
4-Methyl-2-pentanone	ND	10	9.8	98		9.4	94		59-130	4		20
2-Hexanone	ND	10	10	100		9.6	96		57-130	4		20
Bromochloromethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromoethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	8.7	87		7.9	79		41-144	10		20
Isopropylbenzene	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.1	91		9.5	95		70-130	4		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024 ***Lab Number:*** L2462016

Project Number: 060017 ***Report Date:*** 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1990236-6 WG1990236-7 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
1,2,4-Trichlorobenzene	ND	10	8.9	89		9.4	94		70-130	5		20
Methyl Acetate	ND	10	11	110		10	100		70-130	10		20
Cyclohexane	ND	10	13	130		13	130		70-130	0		20
1,4-Dioxane	ND	500	520	104		540	108		56-162	4		20
Freon-113	ND	10	14	**140**	Q	14	**140**	Q	70-130	0		20
Methyl cyclohexane	ND	10	11	110		12	120		70-130	9		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		123		70-130
4-Bromofluorobenzene	99		96		70-130
Dibromofluoromethane	106		103		70-130
Toluene-d8	100		101		70-130

SEMIVOLATILES

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-01
Client ID: MW-100-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 11:30
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 10/28/24 19:27
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/28/24 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-01 Date Collected: 10/24/24 11:30

Client ID: MW-100-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	37		10-120
4-Terphenyl-d14	60		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-01
Client ID: MW-100-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 11:30
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/29/24 17:28
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/28/24 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.06	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-01 Date Collected: 10/24/24 11:30

Client ID: MW-100-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	96		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-02
Client ID: MW-101B-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 10:15
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 10/28/24 19:53
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/28/24 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	1.9	J	ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-02 Date Collected: 10/24/24 10:15

Client ID: MW-101B-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	52		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-02
Client ID: MW-101B-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 10:15
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/29/24 17:44
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/28/24 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.03	1
Pentachlorophenol	0.08	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-02 Date Collected: 10/24/24 10:15

Client ID: MW-101B-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	113		10-120
4-Terphenyl-d14	91		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-03
Client ID: MW-102-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 09:15
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 10/28/24 20:19
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/28/24 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-03 Date Collected: 10/24/24 09:15

Client ID: MW-102-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	39		10-120
4-Terphenyl-d14	59		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-03
Client ID: MW-102-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 09:15
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/29/24 18:00
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/28/24 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-03 Date Collected: 10/24/24 09:15

Client ID: MW-102-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	102		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-04
Client ID: MW-102B-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 08:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 10/28/24 20:44
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/28/24 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-04 Date Collected: 10/24/24 08:45

Client ID: MW-102B-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	1.7	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	65		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-04
Client ID: MW-102B-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 08:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/29/24 18:16
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/28/24 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	0.04	J	ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-04 Date Collected: 10/24/24 08:45

Client ID: MW-102B-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	116		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	**121**	Q	10-120
4-Terphenyl-d14	111		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-05
Client ID: MW-103-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 10:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 10/28/24 21:28
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-05 Date Collected: 10/23/24 10:45

Client ID: MW-103-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	76		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-05
Client ID: MW-103-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 10:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/28/24 15:44
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.05	J	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.06	J	ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	0.05	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.06	J	ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	0.07	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-05 Date Collected: 10/23/24 10:45

Client ID: MW-103-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	99		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-06
Client ID: MW-103B-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 09:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 10/28/24 21:52
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-06 Date Collected: 10/23/24 09:45

Client ID: MW-103B-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	72		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-06
Client ID: MW-103B-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 09:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/28/24 16:33
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.07	J	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.50		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.14		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-06 Date Collected: 10/23/24 09:45

Client ID: MW-103B-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	93		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-07
Client ID: MW-104-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 11:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 10/28/24 23:03
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	1.3	J	ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-07 Date Collected: 10/23/24 11:45

Client ID: MW-104-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	74		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-07
Client ID: MW-104-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 11:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/28/24 16:49
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.05	J	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.07	J	ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	0.06	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.06	J	ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-07 Date Collected: 10/23/24 11:45

Client ID: MW-104-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	96		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-08
Client ID: DUP-1-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 12:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 10/28/24 23:27
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-08 Date Collected: 10/23/24 12:00

Client ID: DUP-1-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	70		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-08
Client ID: DUP-1-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 12:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/28/24 17:05
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.05	J	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-08 Date Collected: 10/23/24 12:00

Client ID: DUP-1-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	96		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	104		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-09
Client ID: MW-2-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 13:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 10/28/24 23:51
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-09 Date Collected: 10/23/24 13:00

Client ID: MW-2-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	0.55	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**10**	Q	21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	16		10-120
4-Terphenyl-d14	77		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-09
Client ID: MW-2-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 13:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/28/24 17:21
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.08	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	0.04	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.08	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	0.04	J	ug/l	0.10	0.03	1
Chrysene	0.03	J	ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.07	J	ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	0.03	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.06	J	ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-09 Date Collected: 10/23/24 13:00

Client ID: MW-2-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**13**	Q	21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	97		15-120
2,4,6-Tribromophenol	25		10-120
4-Terphenyl-d14	99		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-10
Client ID: WC-1-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 12:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 10/28/24 21:10
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/28/24 03:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-10 Date Collected: 10/24/24 12:00

Client ID: WC-1-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	61		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-10
Client ID: WC-1-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 12:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/29/24 18:32
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/28/24 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-10 Date Collected: 10/24/24 12:00

Client ID: WC-1-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	116		10-120
4-Terphenyl-d14	95		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/28/24 15:56
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1989657-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Isophorone	ND		ug/l	5.0	0.86
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/28/24 15:56
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1989657-1					
2-Chlorophenol	ND		ug/l	2.0	0.65
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Carbazole	ND		ug/l	2.0	0.31
Atrazine	ND		ug/l	10	1.0
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	1.2
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	57		41-149

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 10/28/24 14:55
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05,07-10 Batch: WG1989658-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 10/28/24 14:55
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 10/27/24 17:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05,07-10 Batch: WG1989658-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	92		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1989657-2 WG1989657-3								
Bis(2-chloroethyl)ether	74		82		40-140	10		30
3,3'-Dichlorobenzidine	**31**	Q	**39**	Q	40-140	23		30
2,4-Dinitrotoluene	74		84		48-143	13		30
2,6-Dinitrotoluene	68		80		40-140	16		30
4-Chlorophenyl phenyl ether	67		77		40-140	14		30
4-Bromophenyl phenyl ether	69		76		40-140	10		30
Bis(2-chloroisopropyl)ether	77		88		40-140	13		30
Bis(2-chloroethoxy)methane	78		88		40-140	12		30
Hexachlorocyclopentadiene	**34**	Q	41		40-140	19		30
Isophorone	75		88		40-140	16		30
Nitrobenzene	75		84		40-140	11		30
NDPA/DPA	74		84		40-140	13		30
n-Nitrosodi-n-propylamine	77		89		29-132	14		30
Bis(2-ethylhexyl)phthalate	73		86		40-140	16		30
Butyl benzyl phthalate	70		85		40-140	19		30
Di-n-butylphthalate	72		83		40-140	14		30
Di-n-octylphthalate	68		85		40-140	22		30
Diethyl phthalate	76		88		40-140	15		30
Dimethyl phthalate	71		82		40-140	14		30
Biphenyl	66		76		40-140	14		30
4-Chloroaniline	66		81		40-140	20		30
2-Nitroaniline	69		84		52-143	20		30
3-Nitroaniline	76		86		25-145	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1989657-2 WG1989657-3								
4-Nitroaniline	74		84		51-143	13		30
Dibenzofuran	68		78		40-140	14		30
1,2,4,5-Tetrachlorobenzene	56		65		2-134	15		30
Acetophenone	77		88		39-129	13		30
2,4,6-Trichlorophenol	62		69		30-130	11		30
p-Chloro-m-cresol	69		82		23-97	17		30
2-Chlorophenol	68		77		27-123	12		30
2,4-Dichlorophenol	69		80		30-130	15		30
2,4-Dimethylphenol	57		65		30-130	13		30
2-Nitrophenol	69		78		30-130	12		30
4-Nitrophenol	50		32		10-80	**44**	Q	30
2,4-Dinitrophenol	105		64		20-130	**49**	Q	30
4,6-Dinitro-o-cresol	77		54		20-164	**35**	Q	30
Phenol	36		42		12-110	15		30
2-Methylphenol	63		71		30-130	12		30
3-Methylphenol/4-Methylphenol	63		74		30-130	16		30
2,4,5-Trichlorophenol	69		77		30-130	11		30
Carbazole	73		85		55-144	15		30
Atrazine	71		82		40-140	14		30
Benzaldehyde	71		80		40-140	12		30
Caprolactam	26		31		10-130	18		30
2,3,4,6-Tetrachlorophenol	70		72		40-140	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1989657-2 WG1989657-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		48		21-120
Phenol-d6	32		36		10-120
Nitrobenzene-d5	71		83		23-120
2-Fluorobiphenyl	63		72		15-120
2,4,6-Tribromophenol	62		68		10-120
4-Terphenyl-d14	64		75		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,07-10 Batch: WG1989658-2 WG1989658-3								
Acenaphthene	84		95		40-140	12		40
2-Chloronaphthalene	78		90		40-140	14		40
Fluoranthene	90		102		40-140	13		40
Hexachlorobutadiene	59		70		40-140	17		40
Naphthalene	70		81		40-140	15		40
Benzo(a)anthracene	100		115		40-140	14		40
Benzo(a)pyrene	106		120		40-140	12		40
Benzo(b)fluoranthene	106		121		40-140	13		40
Benzo(k)fluoranthene	103		112		40-140	8		40
Chrysene	98		113		40-140	14		40
Acenaphthylene	86		102		40-140	17		40
Anthracene	94		109		40-140	15		40
Benzo(ghi)perylene	95		131		40-140	32		40
Fluorene	90		102		40-140	13		40
Phenanthrene	91		105		40-140	14		40
Dibenzo(a,h)anthracene	102		136		40-140	29		40
Indeno(1,2,3-cd)pyrene	105		**142**	Q	40-140	30		40
Pyrene	87		98		40-140	12		40
2-Methylnaphthalene	78		90		40-140	14		40
Pentachlorophenol	98		81		40-140	19		40
Hexachlorobenzene	90		104		40-140	14		40
Hexachloroethane	61		73		40-140	18		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,07-10 Batch: WG1989658-2 WG1989658-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		60		21-120
Phenol-d6	42		48		10-120
Nitrobenzene-d5	96		108		23-120
2-Fluorobiphenyl	80		91		15-120
2,4,6-Tribromophenol	92		102		10-120
4-Terphenyl-d14	90		99		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024 ***Lab Number:*** L2462016

Project Number: 060017 ***Report Date:*** 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1989657-4 WG1989657-5 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
Bis(2-chloroethyl)ether	ND	20	16	80		15	75		40-140	6		30
3,3'-Dichlorobenzidine	ND	20	4.8J	**24**	Q	4.9J	**25**	Q	40-140	2		30
2,4-Dinitrotoluene	ND	20	17	85		16	80		48-143	6		30
2,6-Dinitrotoluene	ND	20	16	80		16	80		40-140	0		30
4-Chlorophenyl phenyl ether	ND	20	14	70		13	65		40-140	7		30
4-Bromophenyl phenyl ether	ND	20	14	70		13	65		40-140	7		30
Bis(2-chloroisopropyl)ether	ND	20	18	90		16	80		40-140	12		30
Bis(2-chloroethoxy)methane	ND	20	18	90		16	80		40-140	12		30
Hexachlorocyclopentadiene	ND	20	7.7J	**39**	Q	6.3J	**32**	Q	40-140	20		30
Isophorone	ND	20	18	90		16	80		40-140	12		30
Nitrobenzene	ND	20	18	90		16	80		40-140	12		30
NDPA/DPA	ND	20	16	80		15	75		40-140	6		30
n-Nitrosodi-n-propylamine	ND	20	18	90		17	85		29-132	6		30
Bis(2-ethylhexyl)phthalate	ND	20	19	95		17	85		40-140	11		30
Butyl benzyl phthalate	ND	20	18	90		17	85		40-140	6		30
Di-n-butylphthalate	ND	20	17	85		17	85		40-140	0		30
Di-n-octylphthalate	ND	20	18	90		17	85		40-140	6		30
Diethyl phthalate	ND	20	17	85		16	80		40-140	6		30
Dimethyl phthalate	ND	20	16	80		15	75		40-140	6		30
Biphenyl	ND	20	14	70		13	65		40-140	7		30
4-Chloroaniline	ND	20	12	60		13	65		40-140	8		30
2-Nitroaniline	ND	20	17	85		16	80		52-143	6		30
3-Nitroaniline	ND	20	17	85		16	80		25-145	6		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1989657-4 WG1989657-5 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
4-Nitroaniline	ND	20	18	90		18	90		51-143	0		30
Dibenzofuran	ND	20	15	75		13	65		40-140	14		30
1,2,4,5-Tetrachlorobenzene	ND	20	12	60		11	55		2-134	9		30
Acetophenone	ND	20	18	90		16	80		39-129	12		30
2,4,6-Trichlorophenol	ND	20	15	75		13	65		30-130	14		30
p-Chloro-m-cresol	ND	20	17	85		17	85		23-97	0		30
2-Chlorophenol	ND	20	15	75		14	70		27-123	7		30
2,4-Dichlorophenol	ND	20	16	80		14	70		30-130	13		30
2,4-Dimethylphenol	ND	20	14	70		12	60		30-130	15		30
2-Nitrophenol	ND	20	17	85		14	70		30-130	19		30
4-Nitrophenol	ND	20	13	65		11	55		10-80	17		30
2,4-Dinitrophenol	ND	20	25	130		24	120		20-130	4		30
4,6-Dinitro-o-cresol	ND	20	18	90		17	85		20-164	6		30
Phenol	ND	20	8.1	41		7.4	37		12-110	9		30
2-Methylphenol	ND	20	14	70		13	65		30-130	7		30
3-Methylphenol/4-Methylphenol	ND	20	14	70		12	60		30-130	15		30
2,4,5-Trichlorophenol	ND	20	16	80		15	75		30-130	6		30
Carbazole	ND	20	17	85		15	75		55-144	13		30
Atrazine	ND	20	16	80		16	80		40-140	0		30
Benzaldehyde	ND	20	16	80		15	75		40-140	6		30
Caprolactam	ND	20	7.5J	38		7.0J	35		10-130	7		30
2,3,4,6-Tetrachlorophenol	ND	20	16	80		15	75		40-140	6		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024 ***Lab Number:*** L2462016

Project Number: 060017 ***Report Date:*** 10/31/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1989657-4 WG1989657-5 QC Sample: L2462016-06 Client ID: MW-103B-20241023												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	71		64		10-120
2-Fluorobiphenyl	67		60		15-120
2-Fluorophenol	47		45		21-120
4-Terphenyl-d14	71		65		41-149
Nitrobenzene-d5	84		74		23-120
Phenol-d6	35		34		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,07-10 QC Batch ID: WG1989658-4 WG1989658-5 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
Acenaphthene	0.07J	20	18	90		16	80		40-140	12		40
2-Chloronaphthalene	ND	20	17	85		14	70		40-140	19		40
Fluoranthene	ND	20	18	90		16	80		40-140	12		40
Hexachlorobutadiene	ND	20	13	65		10	50		40-140	26		40
Naphthalene	0.50	20	15	73		13	63		40-140	14		40
Benzo(a)anthracene	ND	20	22	110		19	95		40-140	15		40
Benzo(a)pyrene	ND	20	23	120		20	100		40-140	14		40
Benzo(b)fluoranthene	ND	20	22	110		19	95		40-140	15		40
Benzo(k)fluoranthene	ND	20	21	110		19	95		40-140	10		40
Chrysene	ND	20	21	110		18	90		40-140	15		40
Acenaphthylene	ND	20	19	95		16	80		40-140	17		40
Anthracene	ND	20	20	100		18	90		40-140	11		40
Benzo(ghi)perylene	ND	20	25	130		22	110		40-140	13		40
Fluorene	ND	20	19	95		17	85		40-140	11		40
Phenanthrene	ND	20	20	100		17	85		40-140	16		40
Dibenzo(a,h)anthracene	ND	20	26	130		22	110		40-140	17		40
Indeno(1,2,3-cd)pyrene	ND	20	26	130		23	120		40-140	12		40
Pyrene	ND	20	18	90		16	80		40-140	12		40
2-Methylnaphthalene	0.14	20	17	84		14	69		40-140	19		40
Pentachlorophenol	ND	20	23	120		20	100		40-140	14		40
Hexachlorobenzene	ND	20	20	100		17	85		40-140	16		40
Hexachloroethane	ND	20	14	70		12	60		40-140	15		40

Matrix Spike Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024 ***Lab Number:*** L2462016

Project Number: 060017 ***Report Date:*** 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,07-10 QC Batch ID: WG1989658-4 WG1989658-5 QC Sample: L2462016-06 Client ID: MW-103B-20241023												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	99		88		10-120
2-Fluorobiphenyl	85		75		15-120
2-Fluorophenol	57		53		21-120
4-Terphenyl-d14	89		80		41-149
Nitrobenzene-d5	105		97		23-120
Phenol-d6	44		42		10-120

PCBS

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-01
Client ID: MW-100-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 11:30
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/30/24 13:25
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/29/24 11:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-02
Client ID: MW-101B-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 10:15
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/30/24 13:34
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/29/24 11:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-03
Client ID: MW-102-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 09:15
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/30/24 13:44
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/29/24 11:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-04
Client ID: MW-102B-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 08:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/30/24 13:53
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/29/24 11:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-05
Client ID: MW-103-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 10:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/30/24 14:03
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/29/24 11:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	1.33		ug/l	0.071	0.061	1	B
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	1.33		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-06
Client ID: MW-103B-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 09:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/30/24 14:12
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/29/24 11:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	0.195		ug/l	0.071	0.061	1	B
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	0.195		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-07
Client ID: MW-104-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 11:45
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/30/24 14:40
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/29/24 11:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	0.810		ug/l	0.071	0.061	1	B
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	0.810		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	150		30-150	A
Decachlorobiphenyl	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**167**	Q	30-150	B
Decachlorobiphenyl	124		30-150	B

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-08
Client ID: DUP-1-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 12:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/30/24 14:50
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/29/24 11:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	1.42		ug/l	0.071	0.061	1	B
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	1.42		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-09
Client ID: MW-2-20241023
Sample Location: WATERFORD, NY

Date Collected: 10/23/24 13:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/30/24 14:59
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/29/24 11:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-10
Client ID: WC-1-20241024
Sample Location: WATERFORD, NY

Date Collected: 10/24/24 12:00
Date Received: 10/24/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/30/24 15:08
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/29/24 11:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	0.069	J	ug/l	0.071	0.061	1	B
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	0.069	J	ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/30/24 12:38
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/29/24 11:26
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-10 Batch: WG1990408-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	60		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-10 Batch: WG1990408-2 WG1990408-3									
Aroclor 1016	70		76		40-140	8		50	A
Aroclor 1260	69		73		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		71		30-150	A
Decachlorobiphenyl	68		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		64		30-150	B
Decachlorobiphenyl	63		62		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1990408-4 WG1990408-5 QC Sample: L2462016-06 Client ID: MW-103B-20241023													
Aroclor 1016	ND	1.78	1.56	87		1.68	94		40-140	7		50	A
Aroclor 1260	ND	1.78	1.15	64		1.21	68		40-140	5		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		72		30-150	A
Decachlorobiphenyl	66		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		67		30-150	B
Decachlorobiphenyl	63		65		30-150	B

METALS

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-01 Date Collected: 10/24/24 11:30

Client ID: MW-100-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0200	0.00654	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00800	0.00085	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00045	J	mg/l	0.00100	0.00033	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Barium, Total	0.09033		mg/l	0.00100	0.00034	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00100	0.00021	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Cadmium, Total	0.00013	J	mg/l	0.00040	0.00011	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Calcium, Total	150.		mg/l	0.200	0.0788	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00200	0.00035	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00048	J	mg/l	0.00100	0.00032	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Copper, Total	0.00097	J	mg/l	0.00200	0.00076	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Iron, Total	0.0640	J	mg/l	0.100	0.0382	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00200	0.00068	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Magnesium, Total	20.3		mg/l	0.140	0.0484	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Manganese, Total	5.387		mg/l	0.00200	0.00088	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/29/24 12:02	10/30/24 10:15	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00179	J	mg/l	0.00400	0.00111	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Potassium, Total	10.3		mg/l	0.200	0.0618	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.0100	0.00346	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00080	0.00032	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Sodium, Total	95.3		mg/l	0.200	0.0586	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00200	0.00028	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.01000	0.00314	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.02000	0.00682	1	10/29/24 10:33	10/31/24 10:31	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	10/27/24 11:05	10/30/24 18:52	EPA 3005A	1,6020B	NTB

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-02 Date Collected: 10/24/24 10:15

Client ID: MW-101B-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00485	J	mg/l	0.0100	0.00327	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Antimony, Total	0.00185	J	mg/l	0.00400	0.00042	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00202		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Barium, Total	3.428		mg/l	0.00050	0.00017	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Calcium, Total	23.7		mg/l	0.100	0.0394	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00026	J	mg/l	0.00100	0.00017	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Copper, Total	0.00090	J	mg/l	0.00100	0.00038	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Iron, Total	0.284		mg/l	0.0500	0.0191	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Magnesium, Total	8.48		mg/l	0.0700	0.0242	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Manganese, Total	0.3762		mg/l	0.00100	0.00044	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/29/24 12:02	10/30/24 10:19	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00547		mg/l	0.00200	0.00055	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Potassium, Total	9.15		mg/l	0.100	0.0309	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Sodium, Total	171.		mg/l	0.100	0.0293	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/29/24 10:33	10/31/24 10:57	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Iron, Dissolved	0.339		mg/l	0.0500	0.0191	1	10/27/24 11:05	10/30/24 18:57	EPA 3005A	1,6020B	NTB

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-03 Date Collected: 10/24/24 09:15

Client ID: MW-102-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0118		mg/l	0.0100	0.00327	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Antimony, Total	0.00077	J	mg/l	0.00400	0.00042	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00087		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Barium, Total	0.01671		mg/l	0.00050	0.00017	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Cadmium, Total	0.00007	J	mg/l	0.00020	0.00005	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Calcium, Total	56.5		mg/l	0.100	0.0394	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00049	J	mg/l	0.00100	0.00017	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00022	J	mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Copper, Total	0.00061	J	mg/l	0.00100	0.00038	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Iron, Total	0.170		mg/l	0.0500	0.0191	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Magnesium, Total	8.31		mg/l	0.0700	0.0242	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Manganese, Total	1.502		mg/l	0.00100	0.00044	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/29/24 12:02	10/30/24 10:22	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00142	J	mg/l	0.00200	0.00055	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Potassium, Total	2.48		mg/l	0.100	0.0309	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Sodium, Total	19.3		mg/l	0.100	0.0293	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/29/24 10:33	10/31/24 11:01	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Iron, Dissolved	0.121		mg/l	0.0500	0.0191	1	10/27/24 11:05	10/30/24 19:02	EPA 3005A	1,6020B	NTB

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-04 Date Collected: 10/24/24 08:45

Client ID: MW-102B-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00380	J	mg/l	0.0100	0.00327	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00017	J	mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Barium, Total	1.082		mg/l	0.00050	0.00017	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Calcium, Total	69.7		mg/l	0.100	0.0394	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00039	J	mg/l	0.00100	0.00017	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Iron, Total	0.245		mg/l	0.0500	0.0191	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Magnesium, Total	24.2		mg/l	0.0700	0.0242	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Manganese, Total	0.4512		mg/l	0.00100	0.00044	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/29/24 12:02	10/30/24 10:37	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00277		mg/l	0.00200	0.00055	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Potassium, Total	10.5		mg/l	0.100	0.0309	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Sodium, Total	118.		mg/l	0.100	0.0293	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/29/24 10:33	10/31/24 11:06	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Iron, Dissolved	0.208		mg/l	0.0500	0.0191	1	10/27/24 11:05	10/30/24 19:06	EPA 3005A	1,6020B	NTB

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-05 Date Collected: 10/23/24 10:45

Client ID: MW-103-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00489	J	mg/l	0.0100	0.00327	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00919		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Barium, Total	0.08126		mg/l	0.00050	0.00017	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Calcium, Total	30.9		mg/l	0.100	0.0394	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00035	J	mg/l	0.00100	0.00017	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Iron, Total	1.17		mg/l	0.0500	0.0191	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Magnesium, Total	5.62		mg/l	0.0700	0.0242	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Manganese, Total	1.908		mg/l	0.00100	0.00044	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/29/24 12:02	10/30/24 10:40	EPA 7470A	1,7470A	DJR
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Potassium, Total	2.29		mg/l	0.100	0.0309	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Sodium, Total	74.7		mg/l	0.100	0.0293	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/29/24 10:33	10/31/24 11:11	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Iron, Dissolved	1.22		mg/l	0.0500	0.0191	1	10/27/24 11:05	10/30/24 19:11	EPA 3005A	1,6020B	NTB

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-06 Date Collected: 10/23/24 09:45

Client ID: MW-103B-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0167		mg/l	0.0100	0.00327	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Antimony, Total	0.00241	J	mg/l	0.00400	0.00042	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00770		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Barium, Total	0.07600		mg/l	0.00050	0.00017	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Calcium, Total	25.7		mg/l	0.100	0.0394	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00044	J	mg/l	0.00100	0.00017	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00030	J	mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Copper, Total	0.00093	J	mg/l	0.00100	0.00038	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Iron, Total	0.195		mg/l	0.0500	0.0191	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Magnesium, Total	5.50		mg/l	0.0700	0.0242	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Manganese, Total	1.151		mg/l	0.00100	0.00044	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/29/24 12:02	10/30/24 10:05	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00129	J	mg/l	0.00200	0.00055	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Potassium, Total	8.31		mg/l	0.100	0.0309	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Sodium, Total	80.9		mg/l	0.100	0.0293	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Zinc, Total	0.5556		mg/l	0.01000	0.00341	1	10/29/24 10:33	10/31/24 09:59	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Iron, Dissolved	0.235		mg/l	0.0500	0.0191	1	10/27/24 11:05	10/30/24 16:36	EPA 3005A	1,6020B	NTB

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-07 Date Collected: 10/23/24 11:45

Client ID: MW-104-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00396	J	mg/l	0.0100	0.00327	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00576		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Barium, Total	0.08000		mg/l	0.00050	0.00017	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Calcium, Total	40.3		mg/l	0.100	0.0394	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00036	J	mg/l	0.00100	0.00017	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Iron, Total	2.57		mg/l	0.0500	0.0191	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Magnesium, Total	7.18		mg/l	0.0700	0.0242	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Manganese, Total	2.267		mg/l	0.00100	0.00044	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/29/24 12:02	10/30/24 10:43	EPA 7470A	1,7470A	DJR
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Potassium, Total	2.29		mg/l	0.100	0.0309	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Sodium, Total	51.9		mg/l	0.100	0.0293	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/29/24 10:33	10/31/24 11:15	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Iron, Dissolved	2.64		mg/l	0.0500	0.0191	1	10/27/24 11:05	10/30/24 19:16	EPA 3005A	1,6020B	NTB

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-08 Date Collected: 10/23/24 12:00

Client ID: DUP-1-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00474	J	mg/l	0.0100	0.00327	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00962		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Barium, Total	0.08237		mg/l	0.00050	0.00017	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Calcium, Total	31.6		mg/l	0.100	0.0394	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00029	J	mg/l	0.00100	0.00017	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Iron, Total	1.22		mg/l	0.0500	0.0191	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Magnesium, Total	5.81		mg/l	0.0700	0.0242	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Manganese, Total	1.958		mg/l	0.00100	0.00044	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/29/24 12:02	10/30/24 10:47	EPA 7470A	1,7470A	DJR
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Potassium, Total	2.34		mg/l	0.100	0.0309	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Sodium, Total	76.7		mg/l	0.100	0.0293	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/29/24 10:33	10/31/24 11:20	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Iron, Dissolved	1.23		mg/l	0.0500	0.0191	1	10/27/24 11:05	10/30/24 19:20	EPA 3005A	1,6020B	NTB

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-09 Date Collected: 10/23/24 13:00

Client ID: MW-2-20241023 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00592	J	mg/l	0.0100	0.00327	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00027	J	mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Barium, Total	0.2030		mg/l	0.00050	0.00017	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Calcium, Total	86.2		mg/l	0.100	0.0394	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00035	J	mg/l	0.00100	0.00017	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00027	J	mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Iron, Total	0.0697		mg/l	0.0500	0.0191	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Magnesium, Total	27.1		mg/l	0.0700	0.0242	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Manganese, Total	1.581		mg/l	0.00100	0.00044	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/29/24 12:02	10/30/24 10:50	EPA 7470A	1,7470A	DJR
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Potassium, Total	7.36		mg/l	0.100	0.0309	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Sodium, Total	99.8		mg/l	0.100	0.0293	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/29/24 10:33	10/31/24 11:25	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Iron, Dissolved	0.0596		mg/l	0.0500	0.0191	1	10/27/24 11:05	10/30/24 19:25	EPA 3005A	1,6020B	NTB

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-10 Date Collected: 10/24/24 12:00

Client ID: WC-1-20241024 Date Received: 10/24/24

Sample Location: WATERFORD, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.54		mg/l	0.0100	0.00327	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00192		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Barium, Total	0.3043		mg/l	0.00050	0.00017	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Calcium, Total	31.5		mg/l	0.100	0.0394	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00368		mg/l	0.00100	0.00017	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00206		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Copper, Total	0.00562		mg/l	0.00100	0.00038	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Iron, Total	7.28		mg/l	0.0500	0.0191	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Lead, Total	0.00294		mg/l	0.00100	0.00034	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Magnesium, Total	11.6		mg/l	0.0700	0.0242	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Manganese, Total	1.148		mg/l	0.00100	0.00044	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/29/24 12:02	10/30/24 10:53	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00692		mg/l	0.00200	0.00055	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Potassium, Total	6.54		mg/l	0.100	0.0309	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Sodium, Total	103.		mg/l	0.100	0.0293	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.00280	J	mg/l	0.00500	0.00157	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Zinc, Total	0.02195		mg/l	0.01000	0.00341	1	10/29/24 10:33	10/31/24 11:29	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Iron, Dissolved	7.98		mg/l	0.0500	0.0191	1	10/27/24 11:05	10/30/24 19:30	EPA 3005A	1,6020B	NTB

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1989535-1										
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	10/27/24 11:05	10/30/24 16:27	1,6020B	NTB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1990370-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Barium, Total	ND		mg/l	0.00050	0.00017	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Calcium, Total	0.0422	J	mg/l	0.100	0.0394	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00100	0.00017	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Sodium, Total	ND		mg/l	0.100	0.0293	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/29/24 10:33	10/31/24 09:50	1,6020B	NTB

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1990371-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/29/24 12:02	10/30/24 09:59	1,7470A	DJR

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1989535-2								
Iron, Dissolved	108		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1990370-2					
Aluminum, Total	95	-	80-120	-	
Antimony, Total	85	-	80-120	-	
Arsenic, Total	98	-	80-120	-	
Barium, Total	97	-	80-120	-	
Beryllium, Total	106	-	80-120	-	
Cadmium, Total	99	-	80-120	-	
Calcium, Total	104	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	108	-	80-120	-	
Lead, Total	85	-	80-120	-	
Magnesium, Total	95	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	96	-	80-120	-	
Selenium, Total	95	-	80-120	-	
Silver, Total	98	-	80-120	-	
Sodium, Total	94	-	80-120	-	
Thallium, Total	82	-	80-120	-	
Vanadium, Total	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1990370-2					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1990371-2					
Mercury, Total	84	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1989535-3 WG1989535-4 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
Iron, Dissolved	0.235	1	1.23	100		1.20	96		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1990370-3 WG1990370-4 QC Sample: L2462016-06 Client ID: MW-103B-20241023										
Aluminum, Total	0.0167	2	1.84	91		1.98	98	75-125	7	20
Antimony, Total	0.00241J	0.5	0.4474	89		0.4836	97	75-125	8	20
Arsenic, Total	0.00770	0.12	0.1219	95		0.1290	101	75-125	6	20
Barium, Total	0.07600	2	1.960	94		2.089	101	75-125	6	20
Beryllium, Total	ND	0.05	0.05086	102		0.05506	110	75-125	8	20
Cadmium, Total	ND	0.053	0.04972	94		0.05322	100	75-125	7	20
Calcium, Total	25.7	10	34.3	86		36.8	111	75-125	7	20
Chromium, Total	0.00044J	0.2	0.1901	95		0.1985	99	75-125	4	20
Cobalt, Total	0.00030J	0.5	0.4792	96		0.5021	100	75-125	5	20
Copper, Total	0.00093J	0.25	0.2465	99		0.2582	103	75-125	5	20
Iron, Total	0.195	1	1.16	96		1.26	106	75-125	8	20
Lead, Total	ND	0.53	0.4384	83		0.4743	89	75-125	8	20
Magnesium, Total	5.50	10	14.4	89		15.2	97	75-125	5	20
Manganese, Total	1.151	0.5	1.536	77		1.602	90	75-125	4	20
Nickel, Total	0.00129J	0.5	0.4819	96		0.5067	101	75-125	5	20
Potassium, Total	8.31	10	17.2	89		18.2	99	75-125	6	20
Selenium, Total	ND	0.12	0.110	92		0.118	98	75-125	7	20
Silver, Total	ND	0.05	0.04681	94		0.04965	99	75-125	6	20
Sodium, Total	80.9	10	86.6	**57**	Q	92.9	120	75-125	7	20
Thallium, Total	ND	0.12	0.09514	79		0.1029	86	75-125	8	20
Vanadium, Total	ND	0.5	0.4655	93		0.4916	98	75-125	5	20

Matrix Spike Analysis
Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1990370-3 WG1990370-4 QC Sample: L2462016-06 Client ID: MW-103B-20241023									
Zinc, Total	0.5556	0.5	1.053	99	1.127	114	75-125	7	20
Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1990371-3 WG1990371-4 QC Sample: L2462016-06 Client ID: MW-103B-20241023									
Mercury, Total	ND	0.005	0.00445	89	0.00413	83	75-125	7	20

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2462016
Report Date: 10/31/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1990370-6 QC Sample: L2462016-06 Client ID: MW-103B-20241023						
Barium, Total	0.07600	0.07683	mg/l	1		20
Calcium, Total	25.7	25.8	mg/l	0		20
Magnesium, Total	5.50	5.50	mg/l	0		20
Manganese, Total	1.151	1.099	mg/l	5		20
Potassium, Total	8.31	8.29	mg/l	0		20
Sodium, Total	80.9	81.2	mg/l	0		20
Zinc, Total	0.5556	0.6080	mg/l	9		20

INORGANICS
&
MISCELLANEOUS

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-01
Client ID: MW-100-20241024
Sample Location: WATERFORD, NY
Sample Depth:
Matrix: Water

Date Collected: 10/24/24 11:30
Date Received: 10/24/24
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	522.		mg CaCO3/L	20.0	NA	10	-	10/29/24 17:40	121,2320B	MRM
Nitrogen, Ammonia	0.570	J	mg/l	0.750	0.240	10	10/30/24 04:27	10/30/24 09:40	44,350.1	KEM
Nitrogen, Nitrate	0.029	J	mg/l	0.10	0.023	1	-	10/25/24 08:56	44,353.2	KAF
Sulfate	94.		mg/l	50	6.8	5	10/30/24 09:30	10/30/24 09:30	1,9038	MRW
Total Organic Carbon	6.4		mg/l	0.50	0.09	1	-	10/29/24 02:25	1,9060A	DEW

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-02
Client ID: MW-101B-20241024
Sample Location: WATERFORD, NY
Sample Depth:
Matrix: Water

Date Collected: 10/24/24 10:15
Date Received: 10/24/24
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	470.		mg CaCO3/L	20.0	NA	10	-	10/29/24 17:42	121,2320B	MRM
Nitrogen, Ammonia	1.70		mg/l	0.750	0.240	10	10/30/24 04:27	10/30/24 09:44	44,350.1	KEM
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	10/25/24 08:57	44,353.2	KAF
Sulfate	7.4	J	mg/l	10	1.4	1	10/30/24 09:30	10/30/24 09:30	1,9038	MRW
Total Organic Carbon	2.8		mg/l	0.50	0.09	1	-	10/29/24 02:25	1,9060A	DEW

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-03
Client ID: MW-102-20241024
Sample Location: WATERFORD, NY
Sample Depth:
Matrix: Water

Date Collected: 10/24/24 09:15
Date Received: 10/24/24
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	171.		mg CaCO3/L	2.00	NA	1	-	10/29/24 15:13	121,2320B	MRM
Nitrogen, Ammonia	0.229		mg/l	0.075	0.024	1	10/30/24 04:27	10/30/24 09:45	44,350.1	KEM
Nitrogen, Nitrate	0.068	J	mg/l	0.10	0.023	1	-	10/25/24 08:58	44,353.2	KAF
Sulfate	16.		mg/l	10	1.4	1	10/30/24 09:30	10/30/24 09:30	1,9038	MRW
Total Organic Carbon	2.3		mg/l	0.50	0.09	1	-	10/29/24 02:25	1,9060A	DEW

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-04
Client ID: MW-102B-20241024
Sample Location: WATERFORD, NY
Sample Depth:
Matrix: Water

Date Collected: 10/24/24 08:45
Date Received: 10/24/24
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	456.		mg CaCO3/L	10.0	NA	5	-	10/29/24 17:45	121,2320B	MRM
Nitrogen, Ammonia	1.82		mg/l	0.075	0.024	1	10/30/24 04:27	10/30/24 09:46	44,350.1	KEM
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	10/25/24 08:59	44,353.2	KAF
Sulfate	36.		mg/l	25	3.4	2.5	10/30/24 09:30	10/30/24 09:30	1,9038	MRW
Total Organic Carbon	5.6		mg/l	0.50	0.09	1	-	10/29/24 02:25	1,9060A	DEW

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-05
Client ID: MW-103-20241023
Sample Location: WATERFORD, NY
Sample Depth:
Matrix: Water

Date Collected: 10/23/24 10:45
Date Received: 10/24/24
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	241.		mg CaCO3/L	2.00	NA	1	-	10/29/24 15:28	121,2320B	MRM
Nitrogen, Ammonia	1.15		mg/l	0.075	0.024	1	10/30/24 04:27	10/30/24 09:47	44,350.1	KEM
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	10/25/24 09:01	44,353.2	KAF
Sulfate	1.7	J	mg/l	10	1.4	1	10/30/24 09:30	10/30/24 09:30	1,9038	MRW
Total Organic Carbon	4.6		mg/l	0.50	0.09	1	-	10/29/24 02:25	1,9060A	DEW

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-06
Client ID: MW-103B-20241023
Sample Location: WATERFORD, NY
Sample Depth:
Matrix: Water

Date Collected: 10/23/24 09:45
Date Received: 10/24/24
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	219.		mg CaCO3/L	2.00	NA	1	-	10/29/24 15:34	121,2320B	MRM
Nitrogen, Ammonia	0.750		mg/l	0.075	0.024	1	10/30/24 04:27	10/30/24 09:48	44,350.1	KEM
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	10/25/24 09:02	44,353.2	KAF
Sulfate	ND		mg/l	10	1.4	1	10/30/24 13:30	10/30/24 13:30	1,9038	MRW
Total Organic Carbon	8.7		mg/l	0.50	0.09	1	-	10/29/24 02:25	1,9060A	DEW

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-07
Client ID: MW-104-20241023
Sample Location: WATERFORD, NY
Sample Depth:
Matrix: Water

Date Collected: 10/23/24 11:45
Date Received: 10/24/24
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	217.		mg CaCO3/L	2.00	NA	1	-	10/29/24 15:54	121,2320B	MRM
Nitrogen, Ammonia	1.37		mg/l	0.150	0.048	2	10/30/24 22:16	10/31/24 10:12	44,350.1	KEM
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	10/25/24 09:05	44,353.2	KAF
Sulfate	1.4	J	mg/l	10	1.4	1	10/30/24 13:30	10/30/24 13:30	1,9038	MRW
Total Organic Carbon	4.8		mg/l	0.50	0.09	1	-	10/29/24 02:25	1,9060A	DEW

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-08
Client ID: DUP-1-20241023
Sample Location: WATERFORD, NY
Sample Depth:
Matrix: Water

Date Collected: 10/23/24 12:00
Date Received: 10/24/24
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	235.		mg CaCO3/L	2.00	NA	1	-	10/29/24 16:00	121,2320B	MRM
Nitrogen, Ammonia	1.08		mg/l	0.075	0.024	1	10/30/24 22:16	10/31/24 10:13	44,350.1	KEM
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	10/25/24 09:06	44,353.2	KAF
Sulfate	1.4	J	mg/l	10	1.4	1	10/30/24 13:30	10/30/24 13:30	1,9038	MRW
Total Organic Carbon	4.8		mg/l	0.50	0.09	1	-	10/29/24 02:25	1,9060A	DEW

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-09
Client ID: MW-2-20241023
Sample Location: WATERFORD, NY
Sample Depth:
Matrix: Water

Date Collected: 10/23/24 13:00
Date Received: 10/24/24
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	153.		mg CaCO3/L	2.00	NA	1	-	10/29/24 16:06	121,2320B	MRM
Nitrogen, Ammonia	1.19		mg/l	0.075	0.024	1	10/30/24 22:16	10/31/24 10:13	44,350.1	KEM
Nitrogen, Nitrate	0.11		mg/l	0.10	0.023	1	-	10/25/24 09:11	44,353.2	KAF
Sulfate	43.		mg/l	25	3.4	2.5	10/30/24 13:30	10/30/24 13:30	1,9038	MRW
Total Organic Carbon	0.66	J	mg/l	1.0	0.19	2	-	10/29/24 02:25	1,9060A	DEW

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

SAMPLE RESULTS

Lab ID: L2462016-10
Client ID: WC-1-20241024
Sample Location: WATERFORD, NY
Sample Depth:
Matrix: Water

Date Collected: 10/24/24 12:00
Date Received: 10/24/24
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	7.42		SU	-	NA	1	-	10/28/24 17:54	1,9040C	AAS
Flash Point	>150		deg F	70	NA	1	-	10/29/24 13:40	1,1010A	BAY
Cyanide, Reactive	ND		mg/l	1.0	1.0	1	10/28/24 21:05	10/28/24 22:05	125,7.3	TLH
Sulfide, Reactive	ND		mg/l	1.0	1.0	1	10/28/24 21:05	10/28/24 22:02	125,7.3	TLH

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG1988875-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	10/25/24 04:47	44,353.2	KAF
General Chemistry - Westborough Lab for sample(s): 10 Batch: WG1990090-1										
Sulfide, Reactive	ND		mg/l	1.0	1.0	1	10/28/24 21:05	10/28/24 22:01	125,7.3	TLH
General Chemistry - Westborough Lab for sample(s): 10 Batch: WG1990091-1										
Cyanide, Reactive	ND		mg/l	1.0	1.0	1	10/28/24 21:05	10/28/24 22:04	125,7.3	TLH
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG1990152-1										
Total Organic Carbon	ND		mg/l	0.50	0.09	1	-	10/29/24 02:25	1,9060A	DEW
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1990317-1										
Sulfate	2.0	J	mg/l	10	1.4	1	10/30/24 09:30	10/30/24 09:30	1,9038	MRW
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG1990489-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	10/29/24 17:56	121,2320B	MRM
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1990736-1										
Nitrogen, Ammonia	ND		mg/l	0.075	0.024	1	10/30/24 04:27	10/30/24 09:19	44,350.1	KEM
General Chemistry - Westborough Lab for sample(s): 06-09 Batch: WG1990874-1										
Sulfate	1.8	J	mg/l	10	1.4	1	10/30/24 13:30	10/30/24 13:30	1,9038	MRW
General Chemistry - Westborough Lab for sample(s): 07-09 Batch: WG1991093-1										
Nitrogen, Ammonia	ND		mg/l	0.075	0.024	1	10/30/24 22:16	10/31/24 10:08	44,350.1	KEM

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG1988875-2								
Nitrogen, Nitrate	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG1990080-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG1990090-2								
Sulfide, Reactive	81		-		60-125	-		25
General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG1990091-2								
Cyanide, Reactive	78		-		30-125	-		25
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG1990152-2								
Total Organic Carbon	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1990317-2								
Sulfate	105		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG1990488-1								
Flash Point	99		-		96-104	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG1990489-2					
Alkalinity, Total	101	-	90-110	-	10
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1990736-2					
Nitrogen, Ammonia	92	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 06-09 Batch: WG1990874-2					
Sulfate	95	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 07-09 Batch: WG1991093-2					
Nitrogen, Ammonia	92	-	90-110	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017
Lab Number: L2462016
Report Date: 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1988875-4 QC Sample: L2461954-01 Client ID: MS Sample												
Nitrogen, Nitrate	1.2	4	5.1	98		-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1988875-6 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
Nitrogen, Nitrate	ND	4	4.0	100		-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1990152-4 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
Total Organic Carbon	8.7	16	24	98		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1990317-4 QC Sample: L2460715-03 Client ID: MS Sample												
Sulfate	2.8J	40	41	102		-	-		55-147	-		14
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1990489-4 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
Alkalinity, Total	219.	100	323	104		-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1990489-6 QC Sample: L2462203-03 Client ID: MS Sample												
Alkalinity, Total	173.	100	233	**61**	Q	-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1990736-4 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
Nitrogen, Ammonia	0.750	4	5.17	110		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 06-09 QC Batch ID: WG1990874-4 QC Sample: L2462016-06 Client ID: MW-103B-20241023												
Sulfate	ND	40	53	132		-	-		55-147	-		14

Matrix Spike Analysis
Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG1991093-4 QC Sample: L2462203-03 Client ID: MS Sample									
Nitrogen, Ammonia	0.638	4	4.46	96	-	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG1991093-6 QC Sample: L2462481-01 Client ID: MS Sample									
Nitrogen, Ammonia	0.204	4	4.28	102	-	-	90-110	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1988875-3 QC Sample: L2461954-01 Client ID: DUP Sample						
Nitrogen, Nitrate	1.2	1.2	mg/l	0		6
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1988875-5 QC Sample: L2462016-06 Client ID: MW-103B-20241023						
Nitrogen, Nitrate	ND	ND	mg/l	NC		6
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1990080-2 QC Sample: L2461682-01 Client ID: DUP Sample						
pH	7.28	7.27	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1990090-3 QC Sample: L2462574-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/l	NC		25
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1990091-3 QC Sample: L2462574-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/l	NC		25
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1990152-3 QC Sample: L2462016-06 Client ID: MW-103B-20241023						
Total Organic Carbon	8.7	7.4	mg/l	16		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1990317-3 QC Sample: L2460715-03 Client ID: DUP Sample						
Sulfate	2.8J	2.8J	mg/l	NC		14
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1990489-3 QC Sample: L2462016-06 Client ID: MW-103B-20241023						
Alkalinity, Total	219.	224	mg CaCO3/L	2		10

Lab Duplicate Analysis

Batch Quality Control

Project Name: FRIEDRICHSOHN OCT 2024

Project Number: 060017

Lab Number: L2462016

Report Date: 10/31/24

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1990489-5 QC Sample: L2462203-03 Client ID: DUP Sample						
Alkalinity, Total	173.	156	mg CaCO3/L	10		10
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1990736-3 QC Sample: L2462016-06 Client ID: MW-103B-20241023						
Nitrogen, Ammonia	0.750	0.912	mg/l	19		20
General Chemistry - Westborough Lab Associated sample(s): 06-09 QC Batch ID: WG1990874-3 QC Sample: L2462016-06 Client ID: MW-103B-20241023						
Sulfate	ND	ND	mg/l	NC		14
General Chemistry - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG1991093-3 QC Sample: L2462203-03 Client ID: DUP Sample						
Nitrogen, Ammonia	0.638	0.716	mg/l	12		20
General Chemistry - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG1991093-5 QC Sample: L2462481-01 Client ID: DUP Sample						
Nitrogen, Ammonia	0.204	0.133	mg/l	**42**	Q	20

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2462016-01A	Vial HCl preserved	D	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2462016-01B	Vial HCl preserved	D	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2462016-01C	Vial HCl preserved	D	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2462016-01D	Vial H2SO4 preserved	D	NA		2.6	Y	Absent		TOC-9060(28)
L2462016-01E	Vial H2SO4 preserved	D	NA		2.6	Y	Absent		TOC-9060(28)
L2462016-01F	Vial H2SO4 preserved	D	NA		2.6	Y	Absent		TOC-9060(28)
L2462016-01G	Amber 100ml unpreserved	D	7	7	2.6	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-01H	Amber 100ml unpreserved	D	7	7	2.6	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-01J	Amber 120ml unpreserved	D	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)
L2462016-01K	Amber 120ml unpreserved	D	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)
L2462016-01L	Plastic 250ml unpreserved/No Headspace	D	NA		2.6	Y	Absent		ALK-T-2320(14)
L2462016-01M	Plastic 250ml unpreserved	D	7	7	2.6	Y	Absent		SO4-9038(28),NO3-353(2)
L2462016-01N	Plastic 250ml HNO3 preserved	D	<2	<2	2.6	Y	Absent		FE-6020S(180)

*Values in parentheses indicate holding time in days

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L2462016-01O	Plastic 250ml HNO3 preserved	D	<2	<2	2.6	Y	Absent		SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2462016-01P	Plastic 500ml H2SO4 preserved	D	<2	<2	2.6	Y	Absent		NH3-350(28)
L2462016-02A	Vial HCl preserved	D	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2462016-02B	Vial HCl preserved	D	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2462016-02C	Vial HCl preserved	D	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2462016-02D	Vial H2SO4 preserved	D	NA		2.6	Y	Absent		TOC-9060(28)
L2462016-02E	Vial H2SO4 preserved	D	NA		2.6	Y	Absent		TOC-9060(28)
L2462016-02F	Vial H2SO4 preserved	D	NA		2.6	Y	Absent		TOC-9060(28)
L2462016-02G	Amber 100ml unpreserved	D	7	7	2.6	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-02H	Amber 100ml unpreserved	D	7	7	2.6	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-02J	Amber 120ml unpreserved	D	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)
L2462016-02K	Amber 120ml unpreserved	D	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)
L2462016-02L	Plastic 250ml unpreserved/No Headspace	D	NA		2.6	Y	Absent		ALK-T-2320(14)
L2462016-02M	Plastic 250ml unpreserved	D	7	7	2.6	Y	Absent		SO4-9038(28),NO3-353(2)
L2462016-02N	Plastic 250ml HNO3 preserved	D	<2	<2	2.6	Y	Absent		FE-6020S(180)
L2462016-02O	Plastic 250ml HNO3 preserved	D	<2	<2	2.6	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2462016-02P	Plastic 500ml H2SO4 preserved	D	<2	<2	2.6	Y	Absent		NH3-350(28)
L2462016-03A	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2462016-03B	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

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L2462016-03C	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2462016-03D	Vial H2SO4 preserved	B	NA		3.5	Y	Absent		TOC-9060(28)
L2462016-03E	Vial H2SO4 preserved	B	NA		3.5	Y	Absent		TOC-9060(28)
L2462016-03F	Vial H2SO4 preserved	B	NA		3.5	Y	Absent		TOC-9060(28)
L2462016-03G	Amber 100ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-03H	Amber 100ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-03J	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8082-LVI(365)
L2462016-03K	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8082-LVI(365)
L2462016-03L	Plastic 250ml unpreserved/No Headspace	B	NA		3.5	Y	Absent		ALK-T-2320(14)
L2462016-03M	Plastic 250ml unpreserved	B	7	7	3.5	Y	Absent		SO4-9038(28),NO3-353(2)
L2462016-03N	Plastic 250ml HNO3 preserved	B	<2	<2	3.5	Y	Absent		FE-6020S(180)
L2462016-03O	Plastic 250ml HNO3 preserved	B	<2	<2	3.5	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2462016-03P	Plastic 500ml H2SO4 preserved	B	<2	<2	3.5	Y	Absent		NH3-350(28)
L2462016-04A	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2462016-04B	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2462016-04C	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2462016-04D	Vial H2SO4 preserved	B	NA		3.5	Y	Absent		TOC-9060(28)
L2462016-04E	Vial H2SO4 preserved	B	NA		3.5	Y	Absent		TOC-9060(28)
L2462016-04F	Vial H2SO4 preserved	B	NA		3.5	Y	Absent		TOC-9060(28)
L2462016-04G	Amber 100ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-04H	Amber 100ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-04J	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8082-LVI(365)
L2462016-04K	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8082-LVI(365)

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L2462016-04L	Plastic 250ml unpreserved/No Headspace	B	NA		3.5	Y	Absent		ALK-T-2320(14)
L2462016-04M	Plastic 250ml unpreserved	B	7	7	3.5	Y	Absent		SO4-9038(28),NO3-353(2)
L2462016-04N	Plastic 250ml HNO3 preserved	B	<2	<2	3.5	Y	Absent		FE-6020S(180)
L2462016-04O	Plastic 250ml HNO3 preserved	B	<2	<2	3.5	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2462016-04P	Plastic 500ml H2SO4 preserved	B	<2	<2	3.5	Y	Absent		NH3-350(28)
L2462016-05A	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2462016-05B	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2462016-05C	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2462016-05D	Vial H2SO4 preserved	C	NA		4.2	Y	Absent		TOC-9060(28)
L2462016-05E	Vial H2SO4 preserved	C	NA		4.2	Y	Absent		TOC-9060(28)
L2462016-05F	Vial H2SO4 preserved	C	NA		4.2	Y	Absent		TOC-9060(28)
L2462016-05G	Amber 100ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-05H	Amber 100ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-05J	Amber 120ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2462016-05K	Amber 120ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2462016-05L	Plastic 250ml unpreserved/No Headspace	C	NA		4.2	Y	Absent		ALK-T-2320(14)
L2462016-05M	Plastic 250ml unpreserved	C	7	7	4.2	Y	Absent		SO4-9038(28),NO3-353(2)
L2462016-05N	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		FE-6020S(180)
L2462016-05O	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		FE-6020T(180),BA-6020T(180),SE-6020T(180),TL-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),MG-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2462016-05P	Plastic 500ml H2SO4 preserved	C	<2	<2	4.2	Y	Absent		NH3-350(28)
L2462016-06A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-06A1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-06A2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-06B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-06B1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-06B2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-06C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-06C1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-06C2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-06D	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)
L2462016-06D1	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)
L2462016-06D2	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)
L2462016-06E	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)
L2462016-06E1	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)
L2462016-06E2	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)
L2462016-06F	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)
L2462016-06F1	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)
L2462016-06F2	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)
L2462016-06G	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-06G1	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-06G2	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-06H	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-06H1	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-06H2	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-06J	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)

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L2462016-06J1	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2462016-06J2	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2462016-06K	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2462016-06K1	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2462016-06K2	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2462016-06L	Plastic 250ml unpreserved/No Headspace	A	NA		3.1	Y	Absent		ALK-T-2320(14)
L2462016-06L1	Plastic 250ml unpreserved/No Headspace	A	NA		3.1	Y	Absent		ALK-T-2320(14)
L2462016-06L2	Plastic 250ml unpreserved/No Headspace	A	NA		3.1	Y	Absent		ALK-T-2320(14)
L2462016-06M	Plastic 500ml unpreserved	A	7	7	3.1	Y	Absent		SO4-9038(28),NO3-353(2)
L2462016-06M1	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		SO4-9038(28),NO3-353(2)
L2462016-06M2	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		SO4-9038(28),NO3-353(2)
L2462016-06N	Plastic 120ml HNO3 preserved Filtrates	A	<2	<2	3.1	Y	Absent		FE-6020S(180)
L2462016-06N1	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		FE-6020S(180)
L2462016-06N2	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		FE-6020S(180)
L2462016-06O	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		BA-6020T(180),TL-6020T(180),SE-6020T(180),FE-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2462016-06O1	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		BA-6020T(180),TL-6020T(180),SE-6020T(180),FE-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2462016-06O2	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		BA-6020T(180),TL-6020T(180),SE-6020T(180),FE-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2462016-06P	Plastic 500ml H2SO4 preserved	A	<2	<2	3.1	Y	Absent		NH3-350(28)

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L2462016-06P1	Plastic 500ml H2SO4 preserved	A	<2	<2	3.1	Y	Absent		NH3-350(28)
L2462016-06P2	Plastic 500ml H2SO4 preserved	A	<2	<2	3.1	Y	Absent		NH3-350(28)
L2462016-07A	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2462016-07B	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2462016-07C	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2462016-07D	Vial H2SO4 preserved	C	NA		4.2	Y	Absent		TOC-9060(28)
L2462016-07E	Vial H2SO4 preserved	C	NA		4.2	Y	Absent		TOC-9060(28)
L2462016-07F	Vial H2SO4 preserved	C	NA		4.2	Y	Absent		TOC-9060(28)
L2462016-07G	Amber 100ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-07H	Amber 100ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-07J	Amber 120ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2462016-07K	Amber 120ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2462016-07L	Plastic 250ml unpreserved/No Headspace	C	NA		4.2	Y	Absent		ALK-T-2320(14)
L2462016-07M	Plastic 250ml unpreserved	C	7	7	4.2	Y	Absent		SO4-9038(28),NO3-353(2)
L2462016-07N	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		FE-6020S(180)
L2462016-07O	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CD-6020T(180),CO-6020T(180)
L2462016-07P	Plastic 500ml H2SO4 preserved	C	<2	<2	4.2	Y	Absent		NH3-350(28)
L2462016-08A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-08B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-08C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-08D	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)
L2462016-08E	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)
L2462016-08F	Vial H2SO4 preserved	A	NA		3.1	Y	Absent		TOC-9060(28)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2462016-08G	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-08H	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-08J	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2462016-08K	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2462016-08L	Plastic 250ml unpreserved/No Headspace	A	NA		3.1	Y	Absent		ALK-T-2320(14)
L2462016-08M	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		SO4-9038(28),NO3-353(2)
L2462016-08N	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		FE-6020S(180)
L2462016-08O	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		SE-6020T(180),TL-6020T(180),FE-6020T(180),BA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),AG-6020T(180),CO-6020T(180)
L2462016-08P	Plastic 500ml H2SO4 preserved	A	<2	<2	3.1	Y	Absent		NH3-350(28)
L2462016-09A	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2462016-09B	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2462016-09C	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2462016-09D	Vial H2SO4 preserved	C	NA		4.2	Y	Absent		TOC-9060(28)
L2462016-09E	Vial H2SO4 preserved	C	NA		4.2	Y	Absent		TOC-9060(28)
L2462016-09F	Vial H2SO4 preserved	C	NA		4.2	Y	Absent		TOC-9060(28)
L2462016-09G	Amber 100ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-09H	Amber 100ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-09J	Amber 120ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2462016-09K	Amber 120ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2462016-09L	Plastic 250ml unpreserved/No Headspace	C	NA		4.2	Y	Absent		ALK-T-2320(14)
L2462016-09M	Plastic 250ml unpreserved	C	7	7	4.2	Y	Absent		SO4-9038(28),NO3-353(2)
L2462016-09N	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		FE-6020S(180)

*Values in parentheses indicate holding time in days

Project Name: FRIEDRICHSOHN OCT 2024
Project Number: 060017

Lab Number: L2462016
Report Date: 10/31/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2462016-09O	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2462016-09P	Plastic 500ml H2SO4 preserved	C	<2	<2	4.2	Y	Absent		NH3-350(28)
L2462016-10A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-10B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-10C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-10G	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-10H	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2462016-10J	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2462016-10K	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2462016-10L	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		REACTS(7),REACTCN(7),PH-9040(1),FLASH()
L2462016-10M	Plastic 250ml unpreserved	A	7	7	3.1	Y	Absent		REACTS(7),REACTCN(7),PH-9040(1),FLASH()
L2462016-10N	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		FE-6020S(180)
L2462016-10O	Plastic 250ml HNO3 preserved	A	<2	<2	3.1	Y	Absent		FE-6020T(180),TL-6020T(180),SE-6020T(180),BA-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L2462016-10P	Plastic 500ml H2SO4 preserved	A	<2	<2	3.1	Y	Absent		HOLD-WETCHEM()
L2462016-11A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-11B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2462016-11N	Plastic 120ml HNO3 preserved Filtrates	NA	NA			Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	FRIEDRICHSOHN OCT 2024	**Lab Number:**	L2462016
Project Number:	060017	**Report Date:**	10/31/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	FRIEDRICHSOHN OCT 2024	**Lab Number:**	L2462016
Project Number:	060017	**Report Date:**	10/31/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: FRIEDRICHSOHN OCT 2024 **Lab Number:** L2462016

Project Number: 060017 **Report Date:** 10/31/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA

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FAX: 508-898-9193

Mansfield, MA 02048
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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 10/25/24

ALPHA Job #: 12462016

Client Information

Client: CHA CONSULTING
Address: 111 WINNERS CIRCLE
Phone: 315-257-7250
Fax:
Email: SMILLER@CHASOLUTIONS.COM

Project Information

Project Name: FRIED RICHSOHN OCT 2024
Project Location: WATERFORD, NY
Project #: 0600017
(Use Project name as Project #)
Project Manager: SAMANTHA MILLER
ALPHAQuote #: 28536

Turn-Around Time

Standard: [X] Due Date:
Rush (only if pre approved): [ ] # of Days:

Deliverables

[ ] ASP-A [X] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information

[ ] Same as Client Info
PO # 0600171O
C/O 1

Regulatory Requirement

[X] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [X] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL. TAL METALS, DISSOLVED IRON & DISSOLVED METALS (FIELD FILTERED)

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL 8260	NYTCL 8270	TCL PCBs 8082	TAL Metals 6020	Dissolved Iron 6020	TOC - 9060	Nitrate - 353.2	Total Alkalinity - 2320	Ammonia - 350.1 Nitrogen	Sulfate - 9038	Dissolved (Field Filtered) Metals - 3005/3015	Sample Specific Comments	Total Bottle
62016-01	MW-100-20241024	10.24.24	11:30	GW	CRH/JP	X	X	X	X	X	X	X	X	X	X	X	Metals - Field Filtered	
-02	MW-103B-20241024		10:15															
-03	MW-102-20241024		9:15															
-04	MW-102B-20241024		8:45															
-05	MW-103-20241023	10.23.24	10:45															
-06	MW-103B-20241023		9:45														MW-103B	
-07	MW-104-20241023		11:45															
-08	MS/MSD-20241023		9:45															
-09	DUP-1-20241023		12:00															
	MW-2-20241023		1300															

Container Type: V A A P P V P P P P P
Preservative: B A A C C D A A D A C

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	10/24/24 12:45		10/24/24 1245
PACE	10/24/24 1250		
	0100	Julie	10/25/24 1:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab 10/25/24

ALPHA Job # L2462016

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: Frederickson Oct 2024
Project Location: Waterford, NY
Project # 060017
(Use Project name as Project #) ☐
Project Manager: Samantha Miller
ALPHAQuote #: 28536

Client Information

Client: CHA Consulting
Address: III Winners Circle
Phone: 315-257-7250
Fax:
Email: Smiller@chasolutions.com

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO # 06001710 c/o

Regulatory Requirement

☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL. TAL Metals, Dissolved Metals, Dissolved Iron

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY TCL 8260	NYTCL 8270	TCL PCBS 8082	TAL Metals 6020	Dissolved Iron 6020	Dissolved Metals 3005 3015	RIC (Reactivity, Ignit., Corrosivity)	Sample Specific Comments	Total Bottles
62016-10	WC-1_20241024	10.24.24	12:00	GW	CRH	X	X	X	X	X	X	X		
-11	TRIP BLANK	—	—	—	—	X								

Container Type	V	A	P	P	P	P	P
Preservative	B	A	A	C	C	C	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/24/24 12:45	[signature] PACE	10/24/24 12:45
[signature] PACE	10/24/24 1250 0100	[signature]	10/25/24 1:00
[signature]			

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ATTACHMENT 4

Data Validation Report

[redacted]

December 4, 2024

Ms. Karyn Ehmann
Assistant Project Engineer III
CHA
III Winners Circle
P.O. Box 5269
Albany, New York 12205-0269

Re: Data Validation Report
Friedrichsohn Cooperage
October 2024 Ground Water Sampling Events

Dear Ms. Ehmann:

The data usability summary report (DUSR) and data validation reviews are attached to this letter for the Friedrichsohn Cooperage, October 2024 ground water sampling events. The data were mostly acceptable for Alpha Analytica Labs, SDG number L2462016 with some issues that are identified and discussed in the validation summaries. There were data that were qualified rejected, unusable (R) in the data pack. The reason for qualifying the data is outlined in the DUSR and QA/QC review. The data is rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of common data validation acronyms is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist CHA.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

z:\projects\2023\23600-23620\23611-friedrichsohn cooperage\temp-review\friedrichsohn-242.ltr.docx

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

[redacted]

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2462016

9 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected October 23-24, 2024

Prepared by: Donald Anné
December 4, 2024

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of semi-volatiles, SIM semi-volatiles, PCBs, TAL metals, and dissolved iron analyses for 9 ground water samples and 1 field duplicate; the results of ammonia, nitrate, sulfate, total organic carbon, and alkalinity analyses for 8 ground water samples and 1 field duplicate; the results of volatile analyses for 9 ground water samples, 1 field duplicate, and 1 trip blank; and the results of reactive cyanide and sulfide analyses for 1 ground water sample.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The volatile results for vinyl chloride in samples MW-102B-20241024 and MW-104-20241023 were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The results for vinyl chloride marked "E" in the undiluted samples were qualified as estimated (J).

- The volatile results for vinyl chloride were quantitated estimated (J) for samples MW-100-20241024, MW-103-20241023, MW-103B-20241023, DUP-1-20241023, and WC-1-20241024 because the %D for vinyl chloride was above the allowable maximum in the associated continuing calibration verification sample.

- The positive volatile result for chlorobenzene was qualified as "estimated" (J) for sample MW-103B-20241023 because relative percent difference for chlorobenzene was above the allowable maximum in the aqueous MS/MSD sample.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

- The positive volatile result for acetone was qualified as "not detected" (U) for sample WC-1-20241024 because the level reported in the sample was not significantly greater than (more than 10 times) the highest associated blank level.

- The "not detected" semi-volatile result for 3,3'-dichlorobenzidine was qualified as "rejected, unusable" (R) for sample MW-103B-20241023 because 2 of 2 percent recoveries for 3,3'-dichlorobenzidine were below QC limits and below 30% in the aqueous MS/MSD sample.

- The "not detected" semi-volatile result for hexachlorocyclopentadiene were qualified as "estimated" (UJ) for all 9 ground water samples and the field duplicate because 1 of 2 percent recoveries for hexachlorocyclopentadiene was below QC limits, but not below 30% in the associated LCS/LCSD.

- The "not detected" semi-volatile result for 3,3'-dichlorobenzidine were qualified as "estimated" (UJ) for all ground water samples and the field duplicate except sample MW-103B-20241023 because 2 of 2 percent recoveries for 3,3'-dichlorobenzidine were below QC limits, but not below 30% in the associated LCS/LCSD.

- The SIM semi-volatile results for dibenzo(a,h)anthracene were quantitated estimated (J) for samples MW-103-20241023, MW-104-20241023, and MW-2-20241023 because the %Ds for dibenzo(a,h)anthracene were above the allowable maximum in the associated continuing calibration verification samples.

- Positive SIM semi-volatile results for indeno(1,2,3-cd)pyrene were qualified as "estimated, biased high" (J+) for samples MW-103-20241023, MW-104-20241023, and MW-2-20241023 because 1 of 2 percent recoveries for indeno(1,2,3-cd)pyrene was above QC limits for the associated aqueous LCS/LCSD.

- The positive PCB results for aroclor 1242 were qualified as "estimated, biased high" (J+) for samples MW-103B-20241023 and WC-1-20241024 because the %RPDs for dual column quantitation of aroclor 1242 were above the allowable maximum, but not above 70% and the higher results were reported.

- The positive dissolved and total metal results for iron were qualified as "estimated" (J) in samples MW-101B-20241024 and MW-103B-20241023 because the dissolved concentrations were greater than the total concentrations plus 10%.

All data that are not qualified rejected (R) are considered usable with estimated (J, J+, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-01	Date Collected	: 10/24/24 11:30
Client ID	: MW-100-20241024	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/29/24 00:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05241028N15	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	0.11	1.0	0.07	J	J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 00:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241028N15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 00:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241028N15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 00:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 00:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 00:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 01:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 01:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 01:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-04	Date Collected	: 10/24/24 08:45
Client ID	: MW-102B-20241024	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/29/24 01:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05241028N18	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	730	1.0	0.07	E	J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 01:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	94	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 01:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04D	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 20:40
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241030N08	**Instrument ID**	: GONZO
Sample Amount	: 0.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	580	20	1.4	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-05	Date Collected	: 10/23/24 10:45
Client ID	: MW-103-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/29/24 02:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05241028N19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	3.8	2.5	0.70		
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	0.13	0.50	0.13	J	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	0.35	1.0	0.07	J	J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N19	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N19	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-06	Date Collected	: 10/23/24 09:45
Client ID	: MW-103B-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/29/24 02:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05241028N20	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	6.6	2.5	0.70		J
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	0.21	0.50	0.13	J	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	1.8	0.50	0.16		
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	0.29	1.0	0.07	J	J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N20	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N20	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-07	Date Collected	: 10/23/24 11:45
Client ID	: MW-104-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/29/24 03:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05241028N21	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	19	2.5	0.70		
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	1.3	0.50	0.16		
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	230	1.0	0.07	E	J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	0.23	0.50	0.17	J	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 03:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N21	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	1.4	2.5	0.70	J
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	190	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 03:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N21	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07D	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 20:16
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241030N07	**Instrument ID**	: GONZO
Sample Amount	: 2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	210	5.0	0.36	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-08	Date Collected	: 10/23/24 12:00
Client ID	: DUP-1-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/29/24 03:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05241028N22	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	3.4	2.5	0.70		
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	0.24	1.0	0.07	J	J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 03:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N22	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 03:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N22	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 03:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N23	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 03:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N23	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 03:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N23	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-10	Date Collected	: 10/24/24 12:00
Client ID	: WC-1-20241024	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/29/24 04:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05241028N24	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	7.4	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-10	Date Collected	: 10/24/24 12:00
Client ID	: WC-1-20241024	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/29/24 04:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05241028N24	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	3.5	2.5	0.70		
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	1.7	5.0	1.5	J	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-10	**Date Collected**	: 10/24/24 12:00
Client ID	: WC-1-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 04:20
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N24	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-11	**Date Collected**	: 10/24/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 04:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N25	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-11	**Date Collected**	: 10/24/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 04:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N25	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	19	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-11	**Date Collected**	: 10/24/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 04:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241028N25	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-01	Date Collected	: 10/24/24 11:30
Client ID	: MW-100-20241024	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 19:27
Sample Matrix	: WATER	Date Extracted	: 10/28/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 62016-01	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV107
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	UJ
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 19:27
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-01	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 19:27
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-01	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-02	Date Collected	: 10/24/24 10:15
Client ID	: MW-101B-20241024	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 19:53
Sample Matrix	: WATER	Date Extracted	: 10/28/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 62016-02	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV107
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	UJ
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	1.9	5.0	0.96	J	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 19:53
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-02	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 19:53
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-02	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-03	Date Collected	: 10/24/24 09:15
Client ID	: MW-102-20241024	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 20:19
Sample Matrix	: WATER	Date Extracted	: 10/28/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 62016-03	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV107
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	UJ
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 20:19
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-03	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 20:19
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-03	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-04	Date Collected	: 10/24/24 08:45
Client ID	: MW-102B-20241024	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 20:44
Sample Matrix	: WATER	Date Extracted	: 10/28/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 62016-04	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV107
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	UJ
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 20:44
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-04	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	1.7	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 20:44
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-04	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-05	Date Collected	: 10/23/24 10:45
Client ID	: MW-103-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 21:28
Sample Matrix	: WATER	Date Extracted	: 10/27/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 62016-05	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	UJ
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 21:28
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-05	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 21:28
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-05	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-06	Date Collected	: 10/23/24 09:45
Client ID	: MW-103B-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 21:52
Sample Matrix	: WATER	Date Extracted	: 10/27/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 62016-06	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	R
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 21:52
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-06	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 21:52
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-06	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-07	Date Collected	: 10/23/24 11:45
Client ID	: MW-104-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 23:03
Sample Matrix	: WATER	Date Extracted	: 10/27/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 62016-07	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	UJ
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	1.3	5.0	0.96	J	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 23:03
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-07	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 23:03
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-07	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-08	Date Collected	: 10/23/24 12:00
Client ID	: DUP-1-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 23:27
Sample Matrix	: WATER	Date Extracted	: 10/27/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 62016-08	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	UJ
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 23:27
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-08	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 23:27
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-08	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-09	Date Collected	: 10/23/24 13:00
Client ID	: MW-2-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 23:51
Sample Matrix	: WATER	Date Extracted	: 10/27/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 62016-09	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	UJ
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 23:51
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-09	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	0.55	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 23:51
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-09	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-10	Date Collected	: 10/24/24 12:00
Client ID	: WC-1-20241024	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 21:10
Sample Matrix	: WATER	Date Extracted	: 10/28/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 62016-10	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV107
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	UJ
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-10	**Date Collected**	: 10/24/24 12:00
Client ID	: WC-1-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 21:10
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-10	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-10	**Date Collected**	: 10/24/24 12:00
Client ID	: WC-1-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 21:10
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 62016-10	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 17:28
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 62016-01	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV125
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.06	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	0.03	0.10	0.03	J
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	0.04	0.10	0.03	J
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	0.06	0.10	0.04	J
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 17:44
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 62016-02	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV125
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.04	0.10	0.03	J
87-86-5	Pentachlorophenol	0.08	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 18:00
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 62016-03	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV125
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 18:16
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 62016-04	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV125
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.06	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	0.04	0.10	0.04	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-05	Date Collected	: 10/23/24 10:45
Client ID	: MW-103-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 15:44
Sample Matrix	: WATER	Date Extracted	: 10/27/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 62016-05	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
83-32-9	Acenaphthene	0.05	0.10	0.02	J	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U	
206-44-0	Fluoranthene	ND	0.10	0.03	U	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U	
91-20-3	Naphthalene	0.06	0.10	0.02	J	
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U	
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U	
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U	
218-01-9	Chrysene	ND	0.10	0.03	U	
208-96-8	Acenaphthylene	ND	0.10	0.02	U	
120-12-7	Anthracene	ND	0.10	0.02	U	
191-24-2	Benzo(ghi)perylene	0.06	0.10	0.02	J	
86-73-7	Fluorene	ND	0.10	0.03	U	
85-01-8	Phenanthrene	ND	0.10	0.04	U	
53-70-3	Dibenzo(a,h)anthracene	0.05	0.10	0.02	J	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	0.10	0.02	J	J+
129-00-0	Pyrene	ND	0.10	0.04	U	
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U	
87-86-5	Pentachlorophenol	0.07	0.80	0.06	J	
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U	
67-72-1	Hexachloroethane	ND	0.80	0.02	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 16:33
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 62016-06	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV120
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	0.07	0.10	0.02	J
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.50	0.10	0.02	
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.14	0.10	0.03	
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-07	Date Collected	: 10/23/24 11:45
Client ID	: MW-104-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 16:49
Sample Matrix	: WATER	Date Extracted	: 10/27/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 62016-07	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
83-32-9	Acenaphthene	0.05	0.10	0.02	J	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U	
206-44-0	Fluoranthene	ND	0.10	0.03	U	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U	
91-20-3	Naphthalene	ND	0.10	0.02	U	
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U	
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U	
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U	
218-01-9	Chrysene	ND	0.10	0.03	U	
208-96-8	Acenaphthylene	ND	0.10	0.02	U	
120-12-7	Anthracene	ND	0.10	0.02	U	
191-24-2	Benzo(ghi)perylene	0.07	0.10	0.02	J	
86-73-7	Fluorene	ND	0.10	0.03	U	
85-01-8	Phenanthrene	ND	0.10	0.04	U	
53-70-3	Dibenzo(a,h)anthracene	0.06	0.10	0.02	J	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	0.10	0.02	J	J+
129-00-0	Pyrene	ND	0.10	0.04	U	
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U	
87-86-5	Pentachlorophenol	ND	0.80	0.06	U	
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U	
67-72-1	Hexachloroethane	ND	0.80	0.02	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 17:05
Sample Matrix	: WATER	**Date Extracted**	: 10/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 62016-08	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV120
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	0.05	0.10	0.02	J
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-09	Date Collected	: 10/23/24 13:00
Client ID	: MW-2-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/28/24 17:21
Sample Matrix	: WATER	Date Extracted	: 10/27/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 62016-09	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
83-32-9	Acenaphthene	ND	0.10	0.02	U	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U	
206-44-0	Fluoranthene	0.04	0.10	0.03	J	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U	
91-20-3	Naphthalene	0.08	0.10	0.02	J	
56-55-3	Benzo(a)anthracene	0.04	0.10	0.03	J	
50-32-8	Benzo(a)pyrene	0.04	0.10	0.02	J	
205-99-2	Benzo(b)fluoranthene	0.08	0.10	0.03	J	
207-08-9	Benzo(k)fluoranthene	0.04	0.10	0.03	J	
218-01-9	Chrysene	0.03	0.10	0.03	J	
208-96-8	Acenaphthylene	ND	0.10	0.02	U	
120-12-7	Anthracene	ND	0.10	0.02	U	
191-24-2	Benzo(ghi)perylene	0.07	0.10	0.02	J	
86-73-7	Fluorene	ND	0.10	0.03	U	
85-01-8	Phenanthrene	ND	0.10	0.04	U	
53-70-3	Dibenzo(a,h)anthracene	0.03	0.10	0.02	J	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	0.10	0.02	J	J+
129-00-0	Pyrene	ND	0.10	0.04	U	
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U	
87-86-5	Pentachlorophenol	ND	0.80	0.06	U	
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U	
67-72-1	Hexachloroethane	ND	0.80	0.02	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-10	**Date Collected**	: 10/24/24 12:00
Client ID	: WC-1-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 18:32
Sample Matrix	: WATER	**Date Extracted**	: 10/28/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 62016-10	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV125
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 13:25
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-14	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 13:34
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-15	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 13:44
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-16	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 13:53
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-17	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 14:03
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-18	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 14:03
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-18	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-PesticideII
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
53469-21-9	Aroclor 1242	1.33	0.071	0.061	
1336-36-3	PCBs, Total	1.33	0.071	0.061	

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 14:12
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-19	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-06	Date Collected	: 10/23/24 09:45
Client ID	: MW-103B-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/30/24 14:12
Sample Matrix	: WATER	Date Extracted	: 10/29/24
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: P2241030a-19	Analyst	: MEO
Sample Amount	: 140 ml	Instrument ID	: PEST2
Extraction Method	: EPA 3510C	GC Column	: CLP-PesticideII
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
53469-21-9	Aroclor 1242	0.195	0.071	0.061	J+
1336-36-3	PCBs, Total	0.195	0.071	0.061	

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 14:40
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-22	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 14:40
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-22	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-PesticideII
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
53469-21-9	Aroclor 1242	0.810	0.071	0.061	
1336-36-3	PCBs, Total	0.810	0.071	0.061	

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 14:50
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-23	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 14:50
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-23	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-PesticideII
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
53469-21-9	Aroclor 1242	1.42	0.071	0.061	
1336-36-3	PCBs, Total	1.42	0.071	0.061	

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 14:59
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-24	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-10	**Date Collected**	: 10/24/24 12:00
Client ID	: WC-1-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 15:08
Sample Matrix	: WATER	**Date Extracted**	: 10/29/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241030a-25	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-10	Date Collected	: 10/24/24 12:00
Client ID	: WC-1-20241024	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/30/24 15:08
Sample Matrix	: WATER	Date Extracted	: 10/29/24
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: P2241030a-25	Analyst	: MEO
Sample Amount	: 140 ml	Instrument ID	: PEST2
Extraction Method	: EPA 3510C	GC Column	: CLP-PesticideII
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
53469-21-9	Aroclor 1242	0.069	0.071	0.061	J	J+
1336-36-3	PCBs, Total	0.069	0.071	0.061	J	

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 18:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1990923.pdf	**Instrument ID**	: ICPMSRQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-89-6	Iron, Dissolved	ND	0.0500	0.0191	U

Form 1
METALS

Client	:	CHA Companies	Lab Number	:	L2462016
Project Name	:	FRIEDRICHSOHN OCT 2024	Project Number	:	060017
Lab ID	:	L2462016-02	Date Collected	:	10/24/24 10:15
Client ID	:	MW-101B-20241024	Date Received	:	10/24/24
Sample Location	:	WATERFORD, NY	Date Analyzed	:	10/30/24 18:57
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,6020B	Analyst	:	NTB
Lab File ID	:	WG1990923.pdf	Instrument ID	:	ICPMSRQ
Sample Amount	:	50ml	%Solids	:	N/A
Digestion Method	:	EPA 3005A	Date Digested	:	10/27/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-89-6	Iron, Dissolved	0.339	0.0500	0.0191	J

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 19:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1990923.pdf	**Instrument ID**	: ICPMSRQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-89-6	Iron, Dissolved	0.121	0.0500	0.0191	

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 19:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1990923.pdf	**Instrument ID**	: ICPMSRQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-89-6	Iron, Dissolved	0.208	0.0500	0.0191	

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 19:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1990923.pdf	**Instrument ID**	: ICPMSRQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-89-6	Iron, Dissolved	1.22	0.0500	0.0191	

Form 1
METALS

Client	:	CHA Companies	Lab Number	:	L2462016
Project Name	:	FRIEDRICHSOHN OCT 2024	Project Number	:	060017
Lab ID	:	L2462016-06	Date Collected	:	10/23/24 09:45
Client ID	:	MW-103B-20241023	Date Received	:	10/24/24
Sample Location	:	WATERFORD, NY	Date Analyzed	:	10/30/24 16:36
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,6020B	Analyst	:	NTB
Lab File ID	:	WG1990923.pdf	Instrument ID	:	ICPMSRQ
Sample Amount	:	50ml	%Solids	:	N/A
Digestion Method	:	EPA 3005A	Date Digested	:	10/27/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-89-6	Iron, Dissolved	0.235	0.0500	0.0191	J

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 19:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1990923.pdf	**Instrument ID**	: ICPMSRQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-89-6	Iron, Dissolved	2.64	0.0500	0.0191	

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 19:20
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1990923.pdf	**Instrument ID**	: ICPMSRQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-89-6	Iron, Dissolved	1.23	0.0500	0.0191	

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 19:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1990923.pdf	**Instrument ID**	: ICPMSRQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-89-6	Iron, Dissolved	0.0596	0.0500	0.0191	

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-10	**Date Collected**	: 10/24/24 12:00
Client ID	: WC-1-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 19:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1990923.pdf	**Instrument ID**	: ICPMSRQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-89-6	Iron, Dissolved	7.98	0.0500	0.0191	

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/31/24 10:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1991290.pdf	**Instrument ID**	: ICPMSQ
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.0200	0.00654	U
7440-36-0	Antimony, Total	ND	0.00800	0.00085	U
7440-38-2	Arsenic, Total	0.00045	0.00100	0.00033	J
7440-39-3	Barium, Total	0.09033	0.00100	0.00034	
7440-41-7	Beryllium, Total	ND	0.00100	0.00021	U
7440-43-9	Cadmium, Total	0.00013	0.00040	0.00011	J
7440-70-2	Calcium, Total	150.	0.200	0.0788	
7440-47-3	Chromium, Total	ND	0.00200	0.00035	U
7440-48-4	Cobalt, Total	0.00048	0.00100	0.00032	J
7440-50-8	Copper, Total	0.00097	0.00200	0.00076	J
7439-89-6	Iron, Total	0.0640	0.100	0.0382	J
7439-92-1	Lead, Total	ND	0.00200	0.00068	U
7439-95-4	Magnesium, Total	20.3	0.140	0.0484	
7439-96-5	Manganese, Total	5.387	0.00200	0.00088	
7440-02-0	Nickel, Total	0.00179	0.00400	0.00111	J
7440-09-7	Potassium, Total	10.3	0.200	0.0618	
7782-49-2	Selenium, Total	ND	0.0100	0.00346	U
7440-22-4	Silver, Total	ND	0.00080	0.00032	U
7440-23-5	Sodium, Total	95.3	0.200	0.0586	
7440-28-0	Thallium, Total	ND	0.00200	0.00028	U
7440-62-2	Vanadium, Total	ND	0.01000	0.00314	U
7440-66-6	Zinc, Total	ND	0.02000	0.00682	U

Form 1
METALS

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-02	Date Collected	: 10/24/24 10:15
Client ID	: MW-101B-20241024	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/31/24 10:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1991290.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 10/29/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.00485	0.0100	0.00327	J
7440-36-0	Antimony, Total	0.00185	0.00400	0.00042	J
7440-38-2	Arsenic, Total	0.00202	0.00050	0.00016	
7440-39-3	Barium, Total	3.428	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	23.7	0.100	0.0394	
7440-47-3	Chromium, Total	0.00026	0.00100	0.00017	J
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	0.00090	0.00100	0.00038	J
7439-89-6	Iron, Total	0.284	0.0500	0.0191	J
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	8.48	0.0700	0.0242	
7439-96-5	Manganese, Total	0.3762	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00547	0.00200	0.00055	
7440-09-7	Potassium, Total	9.15	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	171.	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/31/24 11:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1991290.pdf	**Instrument ID**	: ICPMSQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.0118	0.0100	0.00327	
7440-36-0	Antimony, Total	0.00077	0.00400	0.00042	J
7440-38-2	Arsenic, Total	0.00087	0.00050	0.00016	
7440-39-3	Barium, Total	0.01671	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	0.00007	0.00020	0.00005	J
7440-70-2	Calcium, Total	56.5	0.100	0.0394	
7440-47-3	Chromium, Total	0.00049	0.00100	0.00017	J
7440-48-4	Cobalt, Total	0.00022	0.00050	0.00016	J
7440-50-8	Copper, Total	0.00061	0.00100	0.00038	J
7439-89-6	Iron, Total	0.170	0.0500	0.0191	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	8.31	0.0700	0.0242	
7439-96-5	Manganese, Total	1.502	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00142	0.00200	0.00055	J
7440-09-7	Potassium, Total	2.48	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	19.3	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/31/24 11:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1991290.pdf	**Instrument ID**	: ICPMSQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.00380	0.0100	0.00327	J
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	0.00017	0.00050	0.00016	J
7440-39-3	Barium, Total	1.082	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	69.7	0.100	0.0394	
7440-47-3	Chromium, Total	0.00039	0.00100	0.00017	J
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	0.245	0.0500	0.0191	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	24.2	0.0700	0.0242	
7439-96-5	Manganese, Total	0.4512	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00277	0.00200	0.00055	
7440-09-7	Potassium, Total	10.5	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	118.	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/31/24 11:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1991290.pdf	**Instrument ID**	: ICPMSQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.00489	0.0100	0.00327	J
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	0.00919	0.00050	0.00016	
7440-39-3	Barium, Total	0.08126	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	30.9	0.100	0.0394	
7440-47-3	Chromium, Total	0.00035	0.00100	0.00017	J
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	1.17	0.0500	0.0191	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	5.62	0.0700	0.0242	
7439-96-5	Manganese, Total	1.908	0.00100	0.00044	
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	2.29	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	74.7	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Lab ID	: L2462016-06	Date Collected	: 10/23/24 09:45
Client ID	: MW-103B-20241023	Date Received	: 10/24/24
Sample Location	: WATERFORD, NY	Date Analyzed	: 10/31/24 09:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1991290.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 10/29/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.0167	0.0100	0.00327	
7440-36-0	Antimony, Total	0.00241	0.00400	0.00042	J
7440-38-2	Arsenic, Total	0.00770	0.00050	0.00016	
7440-39-3	Barium, Total	0.07600	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	25.7	0.100	0.0394	
7440-47-3	Chromium, Total	0.00044	0.00100	0.00017	J
7440-48-4	Cobalt, Total	0.00030	0.00050	0.00016	J
7440-50-8	Copper, Total	0.00093	0.00100	0.00038	J
7439-89-6	Iron, Total	0.195	0.0500	0.0191	J
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	5.50	0.0700	0.0242	
7439-96-5	Manganese, Total	1.151	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00129	0.00200	0.00055	J
7440-09-7	Potassium, Total	8.31	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	80.9	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	0.5556	0.01000	0.00341	

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Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/31/24 11:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1991290.pdf	**Instrument ID**	: ICPMSQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.00396	0.0100	0.00327	J
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	0.00576	0.00050	0.00016	
7440-39-3	Barium, Total	0.08000	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	40.3	0.100	0.0394	
7440-47-3	Chromium, Total	0.00036	0.00100	0.00017	J
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	2.57	0.0500	0.0191	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	7.18	0.0700	0.0242	
7439-96-5	Manganese, Total	2.267	0.00100	0.00044	
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	2.29	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	51.9	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/31/24 11:20
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1991290.pdf	**Instrument ID**	: ICPMSQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.00474	0.0100	0.00327	J
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	0.00962	0.00050	0.00016	
7440-39-3	Barium, Total	0.08237	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	31.6	0.100	0.0394	
7440-47-3	Chromium, Total	0.00029	0.00100	0.00017	J
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	1.22	0.0500	0.0191	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	5.81	0.0700	0.0242	
7439-96-5	Manganese, Total	1.958	0.00100	0.00044	
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	2.34	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	76.7	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/31/24 11:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1991290.pdf	**Instrument ID**	: ICPMSQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.00592	0.0100	0.00327	J
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	0.00027	0.00050	0.00016	J
7440-39-3	Barium, Total	0.2030	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	86.2	0.100	0.0394	
7440-47-3	Chromium, Total	0.00035	0.00100	0.00017	J
7440-48-4	Cobalt, Total	0.00027	0.00050	0.00016	J
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	0.0697	0.0500	0.0191	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	27.1	0.0700	0.0242	
7439-96-5	Manganese, Total	1.581	0.00100	0.00044	
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	7.36	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	99.8	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-10	**Date Collected**	: 10/24/24 12:00
Client ID	: WC-1-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/31/24 11:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: NTB
Lab File ID	: WG1991290.pdf	**Instrument ID**	: ICPMSQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	1.54	0.0100	0.00327	
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	0.00192	0.00050	0.00016	
7440-39-3	Barium, Total	0.3043	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	31.5	0.100	0.0394	
7440-47-3	Chromium, Total	0.00368	0.00100	0.00017	
7440-48-4	Cobalt, Total	0.00206	0.00050	0.00016	
7440-50-8	Copper, Total	0.00562	0.00100	0.00038	
7439-89-6	Iron, Total	7.28	0.0500	0.0191	
7439-92-1	Lead, Total	0.00294	0.00100	0.00034	
7439-95-4	Magnesium, Total	11.6	0.0700	0.0242	
7439-96-5	Manganese, Total	1.148	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00692	0.00200	0.00055	
7440-09-7	Potassium, Total	6.54	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	103.	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	0.00280	0.00500	0.00157	J
7440-66-6	Zinc, Total	0.02195	0.01000	0.00341	

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Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 10:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1990539.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

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Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 10:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1990539.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 10:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1990539.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 10:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1990539.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 10:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1990539.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 10:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1990539.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 10:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1990539.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 10:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1990539.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 10:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1990539.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-10	**Date Collected**	: 10/24/24 12:00
Client ID	: WC-1-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 10:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1990539.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 10/29/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-10	**Date Collected**	: 10/24/24 12:00
Client ID	: WC-1-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 22:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 125,7.3	**Analyst**	: TLH
Lab File ID	: WG1990091.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/28/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Reactive	ND	1.0	1.0	U

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-10	**Date Collected**	: 10/24/24 12:00
Client ID	: WC-1-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/28/24 22:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 125,7.3	**Analyst**	: TLH
Lab File ID	: WG1990090.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/28/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Sulfide, Reactive	ND	1.0	1.0	U

Form 1
WETCHEM

Client	:	**CHA Companies**	**Lab Number**	:	**L2462016**
Project Name	:	**FRIEDRICHSOHN OCT 2024**	**Project Number**	:	**060017**
Lab ID	:	**L2462016-01**	**Date Collected**	:	**10/24/24 11:30**
Client ID	:	**MW-100-20241024**	**Date Received**	:	**10/24/24**
Sample Location	:	**WATERFORD, NY**	**Date Analyzed**	:	**10/30/24 09:40**
Sample Matrix	:	**WATER**	**Dilution Factor**	:	**10**
Analytical Method	:	**44,350.1**	**Analyst**	:	**KEM**
Lab File ID	:	**NH320241030-B**	**Instrument ID**	:	**LACHAT**
Sample Amount	:		**%Solids**	:	**N/A**
Digestion Method	:		**Date Digested**	:	**10/30/24**

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	**Nitrogen, Ammonia**	**0.570**	**0.750**	**0.240**	**J**

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 09:44
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 44,350.1	**Analyst**	: KEM
Lab File ID	: NH320241030-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	1.70	0.750	0.240	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 09:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEM
Lab File ID	: NH320241030-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	0.229	0.075	0.024	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 09:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEM
Lab File ID	: NH320241030-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	1.82	0.075	0.024	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 09:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEM
Lab File ID	: NH320241030-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	1.15	0.075	0.024	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 09:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEM
Lab File ID	: NH320241030-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	0.750	0.075	0.024	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/31/24 10:12
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 44,350.1	**Analyst**	: KEM/E
Lab File ID	: NH320241031-A	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	1.37	0.150	0.048	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/31/24 10:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEM/E
Lab File ID	: NH320241031-A	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	1.08	0.075	0.024	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/31/24 10:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEM/E
Lab File ID	: NH320241031-A	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	1.19	0.075	0.024	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/25/24 08:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,353.2	**Analyst**	: KAF
Lab File ID	: NO3241025-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	0.029	0.10	0.023	J

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/25/24 08:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,353.2	**Analyst**	: KAF
Lab File ID	: NO3241025-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	ND	0.10	0.023	U

Form 1
WETCHEM

Client	:	**CHA Companies**	**Lab Number**	:	**L2462016**
Project Name	:	**FRIEDRICHSOHN OCT 2024**	**Project Number**	:	**060017**
Lab ID	:	**L2462016-03**	**Date Collected**	:	**10/24/24 09:15**
Client ID	:	**MW-102-20241024**	**Date Received**	:	**10/24/24**
Sample Location	:	**WATERFORD, NY**	**Date Analyzed**	:	**10/25/24 08:58**
Sample Matrix	:	**WATER**	**Dilution Factor**	:	**1**
Analytical Method	:	**44,353.2**	**Analyst**	:	**KAF**
Lab File ID	:	**NO3241025-B1**	**Instrument ID**	:	**FIA1**
Sample Amount	:		**%Solids**	:	**N/A**
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	**Nitrogen, Nitrate**	**0.068**	**0.10**	**0.023**	**J**

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/25/24 08:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,353.2	**Analyst**	: KAF
Lab File ID	: NO3241025-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	ND	0.10	0.023	U

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/25/24 09:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,353.2	**Analyst**	: KAF
Lab File ID	: NO3241025-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	ND	0.10	0.023	U

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/25/24 09:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,353.2	**Analyst**	: KAF
Lab File ID	: NO3241025-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	ND	0.10	0.023	U

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/25/24 09:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,353.2	**Analyst**	: KAF
Lab File ID	: NO3241025-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	ND	0.10	0.023	U

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/25/24 09:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,353.2	**Analyst**	: KAF
Lab File ID	: NO3241025-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	ND	0.10	0.023	U

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/25/24 09:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,353.2	**Analyst**	: KAF
Lab File ID	: NO3241025-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	0.11	0.10	0.023	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg1990152.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	6.4	0.50	0.09	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg1990152.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	2.8	0.50	0.09	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg1990152.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	2.3	0.50	0.09	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg1990152.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	5.6	0.50	0.09	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg1990152.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	4.6	0.50	0.09	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg1990152.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	8.7	0.50	0.09	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg1990152.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	4.8	0.50	0.09	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg1990152.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	4.8	0.50	0.09	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 02:25
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg1990152.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	0.66	1.0	0.19	J

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 09:30
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,9038	**Analyst**	: MRW
Lab File ID	: WG1990317.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	94.	50	6.8	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 09:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9038	**Analyst**	: MRW
Lab File ID	: WG1990317.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	7.4	10	1.4	J

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 09:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9038	**Analyst**	: MRW
Lab File ID	: WG1990317.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	16.	10	1.4	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 09:30
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,9038	**Analyst**	: MRW
Lab File ID	: WG1990317.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	36.	25	3.4	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 09:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9038	**Analyst**	: MRW
Lab File ID	: WG1990317.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	1.7	10	1.4	J

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 13:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9038	**Analyst**	: MRW
Lab File ID	: WG1990874.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	ND	10	1.4	U

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 13:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9038	**Analyst**	: MRW
Lab File ID	: WG1990874.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	1.4	10	1.4	J

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 13:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9038	**Analyst**	: MRW
Lab File ID	: WG1990874.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	1.4	10	1.4	J

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/30/24 13:30
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,9038	**Analyst**	: MRW
Lab File ID	: WG1990874.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 10/30/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	43.	25	3.4	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-01	**Date Collected**	: 10/24/24 11:30
Client ID	: MW-100-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 17:40
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 241029-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
471-34-1	Alkalinity, Total	522.	20.0	NA	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-02	**Date Collected**	: 10/24/24 10:15
Client ID	: MW-101B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 17:42
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 241029-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
471-34-1	Alkalinity, Total	470.	20.0	NA	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-03	**Date Collected**	: 10/24/24 09:15
Client ID	: MW-102-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 15:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 241029-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
471-34-1	Alkalinity, Total	171.	2.00	NA	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-04	**Date Collected**	: 10/24/24 08:45
Client ID	: MW-102B-20241024	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 17:45
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 241029-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
471-34-1	Alkalinity, Total	456.	10.0	NA	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-05	**Date Collected**	: 10/23/24 10:45
Client ID	: MW-103-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 15:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 241029-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
471-34-1	Alkalinity, Total	241.	2.00	NA	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-06	**Date Collected**	: 10/23/24 09:45
Client ID	: MW-103B-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 15:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 241029-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
471-34-1	Alkalinity, Total	219.	2.00	NA	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-07	**Date Collected**	: 10/23/24 11:45
Client ID	: MW-104-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 15:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 241029-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
471-34-1	Alkalinity, Total	217.	2.00	NA	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-08	**Date Collected**	: 10/23/24 12:00
Client ID	: DUP-1-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 16:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 241029-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
471-34-1	Alkalinity, Total	235.	2.00	NA	

Form 1
WETCHEM

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Lab ID	: L2462016-09	**Date Collected**	: 10/23/24 13:00
Client ID	: MW-2-20241023	**Date Received**	: 10/24/24
Sample Location	: WATERFORD, NY	**Date Analyzed**	: 10/29/24 16:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 241029-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
471-34-1	Alkalinity, Total	153.	2.00	NA	

VOC Data Section

[redacted]

QA/QC Review of Method 8260D Volatiles Data
for Alpha Analytical, SDG Number: L2462016

9 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected October 23-24, 2024

Prepared by: Donald Anné
December 4, 2024

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRF for 1,1,2-trichloroethane was below the method minimum, but not below 0.010 for VOA105 on 10-22-24. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF for 1,1,2-trichloroethane was below the method minimum, but not below 0.010 on 10-28-24 (V05241028N01). The %Ds for 9 compounds (highlighted yellow on attached Form 7) were above the method maximum on 10-28-24 (V05241028N01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %Ds for 9 compounds (highlighted yellow on attached Form 7) were above the allowable maximum (20%) on 10-28-24 (V05241028N01). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected. The trip blank contains a trace of acetone (19 ug/L). Positive results for acetone that are below 10 times the highest blank level should be considered not detected (U) in associated samples.

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Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for chlorobenzene was above the allowable maximum and 2 of 2 percent recoveries for freon-113 were above QC limits for aqueous MS/MSD sample MW-103B-20241023. The positive result for chlorobenzene should be considered estimated (J) in sample MW-103B-20241023.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum, but 1 of 2 percent recoveries (%Rs) for freon-113 was above QC limits for aqueous samples WG1990236-3/4. The RPDs for target compounds were below the allowable maximum, but 2 of 2 %Rs for chloroethane were above QC limits for aqueous samples WG1991296-3/4. Positive results for these compounds should be considered estimated, biased high (J+) in associated aqueous samples.

Field Duplicates: The relative percent difference for chlorobenzene was below the allowable maximum (20%) for aqueous field duplicate pair MW-103-20241023/DUP-1-20241023 (attached table), as required.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

The results for vinyl chloride in samples MW-102B-20241024 and MW-104-20241023 were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results that are flagged as 'E' in the undiluted samples should be considered estimated (J). The use of the diluted results for vinyl chloride is recommended for the samples. It is recommended that the undiluted results be used for all other compounds.

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1990236-3	**Analysis Date**	: 10/28/24 18:33
File ID	: V05241028N01		
LCSD Sample ID	: WG1990236-4	**Analysis Date**	: 10/28/24 18:59
File ID	: V05241028N02		

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	10	12	120	10	11	110	9	70-130	20
Chloroform	10	11	110	10	11	110	0	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	10	9.3	93	10	9.5	95	2	63-130	20
1,1,2-Trichloroethane	10	10	100	10	11	110	10	70-130	20
Tetrachloroethene	10	10	100	10	10	100	0	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	14	140	10	14	140	0	62-150	20
1,2-Dichloroethane	10	12	120	10	12	120	0	70-130	20
1,1,1-Trichloroethane	10	12	120	10	11	110	9	67-130	20
Bromodichloromethane	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	10	10	100	10	10	100	0	70-130	20
cis-1,3-Dichloropropene	10	10	100	10	10	100	0	70-130	20
Bromoform	10	7.8	78	10	8.1	81	4	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	11	110	10	67-130	20
Benzene	10	11	110	10	11	110	0	70-130	20
Toluene	10	11	110	10	10	100	10	70-130	20
Ethylbenzene	10	11	110	10	11	110	0	70-130	20
Chloromethane	10	11	110	10	10	100	10	64-130	20
Bromomethane	10	6.8	68	10	7.8	78	14	39-139	20
Vinyl chloride	10	12	120	10	12	120	0	55-140	20
Chloroethane	10	12	120	10	12	120	0	55-138	20
1,1-Dichloroethene	10	11	110	10	11	110	0	61-145	20
trans-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1990236-3	**Analysis Date**	: 10/28/24 18:33
File ID	: V05241028N01		
LCSD Sample ID	: WG1990236-4	**Analysis Date**	: 10/28/24 18:59
File ID	: V05241028N02		

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	9.7	97	10	10	100	3	63-130	20
p/m-Xylene	20	22	110	20	22	110	0	70-130	20
o-Xylene	20	21	105	20	21	105	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Styrene	20	22	110	20	21	105	5	70-130	20
Dichlorodifluoromethane	10	12	120	10	12	120	0	36-147	20
Acetone	10	10	100	10	11	110	10	58-148	20
Carbon disulfide	10	12	120	10	11	110	9	51-130	20
2-Butanone	10	11	110	10	11	110	0	63-138	20
4-Methyl-2-pentanone	10	9.6	96	10	10	100	4	59-130	20
2-Hexanone	10	9.7	97	10	10	100	3	57-130	20
Bromochloromethane	10	10	100	10	10	100	0	70-130	20
1,2-Dibromoethane	10	10	100	10	10	100	0	70-130	20
1,2-Dibromo-3-chloropropane	10	7.9	79	10	8.8	88	11	41-144	20
Isopropylbenzene	10	11	110	10	11	110	0	70-130	20
1,2,3-Trichlorobenzene	10	9.7	97	10	10	100	3	70-130	20
1,2,4-Trichlorobenzene	10	9.7	97	10	9.9	99	2	70-130	20
Methyl Acetate	10	11	110	10	12	120	9	70-130	20
Cyclohexane	10	13	130	10	13	130	0	70-130	20
1,4-Dioxane	500	450	90	500	460	92	2	56-162	20
Freon-113	10	14	140 Q	10	13	130	7	70-130	20
Methyl cyclohexane	10	12	120	10	12	120	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1991296-3	Analysis Date	: 10/30/24 18:16
		File ID	: VG241030N02
LCSD Sample ID	: WG1991296-4	Analysis Date	: 10/30/24 18:40
		File ID	: VG241030N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	10	100	10	10	100	0	70-130	20
Dibromochloromethane	10	9.8	98	10	10	100	2	63-130	20
1,1,2-Trichloroethane	10	9.2	92	10	9.7	97	5	70-130	20
Tetrachloroethene	10	10	100	10	11	110	10	70-130	20
Chlorobenzene	10	10	100	10	11	110	10	75-130	20
Trichlorofluoromethane	10	10	100	10	9.8	98	2	62-150	20
1,2-Dichloroethane	10	10	100	10	11	110	10	70-130	20
1,1,1-Trichloroethane	10	10	100	10	10	100	0	67-130	20
Bromodichloromethane	10	9.7	97	10	10	100	3	67-130	20
trans-1,3-Dichloropropene	10	9.0	90	10	9.5	95	5	70-130	20
cis-1,3-Dichloropropene	10	10	100	10	10	100	0	70-130	20
Bromoform	10	8.8	88	10	9.3	93	6	54-136	20
1,1,2,2-Tetrachloroethane	10	9.2	92	10	9.4	94	2	67-130	20
Benzene	10	10	100	10	10	100	0	70-130	20
Toluene	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	10	9.9	99	10	10	100	1	70-130	20
Chloromethane	10	8.8	88	10	9.1	91	3	64-130	20
Bromomethane	10	5.8	58	10	6.8	68	16	39-139	20
Vinyl chloride	10	11	110	10	11	110	0	55-140	20
Chloroethane	10	18	180 Q	10	18	180 Q	0	55-138	20
1,1-Dichloroethene	10	9.8	98	10	10	100	2	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1991296-3	**Analysis Date**	: 10/30/24 18:16
File ID	: VG241030N02		
LCSD Sample ID	: WG1991296-4	**Analysis Date**	: 10/30/24 18:40
File ID	: VG241030N03		

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.8	98	10	10	100	2	70-130	20
1,2-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,3-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,4-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
Methyl tert butyl ether	10	7.7	77	10	7.9	79	3	63-130	20
p/m-Xylene	20	21	105	20	22	110	5	70-130	20
o-Xylene	20	21	105	20	22	110	5	70-130	20
cis-1,2-Dichloroethene	10	9.8	98	10	11	110	12	70-130	20
Styrene	20	21	105	20	22	110	5	70-130	20
Dichlorodifluoromethane	10	10	100	10	10	100	0	36-147	20
Acetone	10	7.6	76	10	7.7	77	1	58-148	20
Carbon disulfide	10	9.4	94	10	9.4	94	0	51-130	20
2-Butanone	10	8.7	87	10	9.2	92	6	63-138	20
4-Methyl-2-pentanone	10	8.5	85	10	8.6	86	1	59-130	20
2-Hexanone	10	7.3	73	10	7.7	77	5	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
1,2-Dibromoethane	10	9.8	98	10	9.9	99	1	70-130	20
1,2-Dibromo-3-chloropropane	10	8.7	87	10	8.8	88	1	41-144	20
Isopropylbenzene	10	9.7	97	10	10	100	3	70-130	20
1,2,3-Trichlorobenzene	10	9.7	97	10	10	100	3	70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	11	110	10	70-130	20
Methyl Acetate	10	7.7	77	10	8.1	81	5	70-130	20
Cyclohexane	10	9.4	94	10	9.6	96	2	70-130	20
1,4-Dioxane	500	470	94	500	460	92	2	56-162	20
Freon-113	10	10	100	10	10	100	0	70-130	20
Methyl cyclohexane	10	9.6	96	10	9.8	98	2	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Client Sample ID	: MW-103B-20241023	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2462016-06	Analysis Date	: 10/29/24 02:38
Matrix Spike	: WG1990236-6	MS Analysis Date	: 10/29/24 05:11
Matrix Spike Dup	: WG1990236-7	MSD Analysis Date	: 10/29/24 05:36

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	ND	10	12	120	10	12	120	0	70-130	20
Chloroform	ND	10	11	110	10	11	110	0	70-130	20
Carbon tetrachloride	ND	10	11	110	10	11	110	0	63-132	20
1,2-Dichloropropane	ND	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	ND	10	9.2	92	10	9.2	92	0	63-130	20
1,1,2-Trichloroethane	ND	10	10	100	10	10	100	0	70-130	20
Tetrachloroethene	ND	10	10	100	10	11	110	10	70-130	20
Chlorobenzene	6.6	10	19	124	10	15	84	24 Q	75-130	20
Trichlorofluoromethane	ND	10	15	150	10	15	150	0	62-150	20
1,2-Dichloroethane	0.21J	10	12	120	10	12	120	0	70-130	20
1,1,1-Trichloroethane	ND	10	12	120	10	12	120	0	67-130	20
Bromodichloromethane	ND	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	ND	10	9.4	94	10	9.9	99	5	70-130	20
cis-1,3-Dichloropropene	ND	10	9.5	95	10	9.6	96	1	70-130	20
Bromoform	ND	10	7.7	77	10	7.6	76	1	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	10	100	10	10	100	0	67-130	20
Benzene	1.8	10	14	122	10	13	112	7	70-130	20
Toluene	ND	10	10	100	10	11	110	10	70-130	20
Ethylbenzene	ND	10	11	110	10	11	110	0	70-130	20
Chloromethane	ND	10	11	110	10	11	110	0	64-130	20
Bromomethane	ND	10	5.4	54	10	4.6	46	16	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Client Sample ID	: MW-103B-20241023	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2462016-06	Analysis Date	: 10/29/24 02:38
Matrix Spike	: WG1990236-6	MS Analysis Date	: 10/29/24 05:11
Matrix Spike Dup	: WG1990236-7	MSD Analysis Date	: 10/29/24 05:36

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	0.29J	10	13	130	10	13	130	0	55-140	20
Chloroethane	ND	10	12	120	10	12	120	0	55-138	20
1,1-Dichloroethene	ND	10	12	120	10	12	120	0	61-145	20
trans-1,2-Dichloroethene	ND	10	11	110	10	11	110	0	70-130	20
Trichloroethene	ND	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	ND	10	9.4	94	10	9.9	99	5	70-130	20
1,4-Dichlorobenzene	ND	10	9.7	97	10	10	100	3	70-130	20
Methyl tert butyl ether	ND	10	9.9	99	10	9.7	97	2	63-130	20
p/m-Xylene	ND	20	21	105	20	22	110	5	70-130	20
o-Xylene	ND	20	21	105	20	21	105	0	70-130	20
cis-1,2-Dichloroethene	ND	10	10	100	10	10	100	0	70-130	20
Styrene	ND	20	20	100	20	21	105	5	70-130	20
Dichlorodifluoromethane	ND	10	12	120	10	12	120	0	36-147	20
Acetone	ND	10	13	130	10	11	110	17	58-148	20
Carbon disulfide	ND	10	12	120	10	12	120	0	51-130	20
2-Butanone	ND	10	11	110	10	11	110	0	63-138	20
4-Methyl-2-pentanone	ND	10	9.8	98	10	9.4	94	4	59-130	20
2-Hexanone	ND	10	10	100	10	9.6	96	4	57-130	20
Bromochloromethane	ND	10	10	100	10	10	100	0	70-130	20
1,2-Dibromoethane	ND	10	10	100	10	10	100	0	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	8.7	87	10	7.9	79	10	41-144	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Client Sample ID	: MW-103B-20241023	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2462016-06	Analysis Date	: 10/29/24 02:38
Matrix Spike	: WG1990236-6	MS Analysis Date	: 10/29/24 05:11
Matrix Spike Dup	: WG1990236-7	MSD Analysis Date	: 10/29/24 05:36

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	10	10	100	10	10	100	0	70-130	20
1,2,3-Trichlorobenzene	ND	10	9.1	91	10	9.5	95	4	70-130	20
1,2,4-Trichlorobenzene	ND	10	8.9	89	10	9.4	94	5	70-130	20
Methyl Acetate	ND	10	11	110	10	10	100	10	70-130	20
Cyclohexane	ND	10	13	130	10	13	130	0	70-130	20
1,4-Dioxane	ND	500	520	104	500	540	108	4	56-162	20
Freon-113	ND	10	14	140 Q	10	14	140 Q	0	70-130	20
Methyl cyclohexane	ND	10	11	110	10	12	120	9	70-130	20

Initial Calibration Summary
Form 6
Volatiles

Client	**: CHA Companies**	**Lab Number**	**: L2462016**
Project Name	**: FRIEDRICHSOHN OCT 2024**	**Project Number**	**: 060017**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL21625**
Calibration dates	**: 10/22/24 19:04 10/22/24 22:53**		

Calibration Files
L11 =V05241022N03.D L1 =V05241022N05.D L2 =V05241022N07.D L3 =V05241022N08.D L4 =V05241022N09.D
L6 =V05241022N10.D L8 =V05241022N11.D L10 =V05241022N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.261	0.214	0.300	0.267	0.270	0.306	0.268	0.270	11.19
3)	TP	Chloromethane		0.363	0.345	0.332	0.313	0.333	0.343	0.346	0.339	4.51
4)	TP	Vinyl chloride	0.226	0.206	0.216	0.253	0.231	0.240	0.264	0.252	0.236	8.41
5)	TP	Bromomethane		0.083	0.090	0.082	0.089	0.108	0.118	0.125	0.099	17.56
6)	TP	Chloroethane		0.166	0.145	0.126	0.113	0.116	0.116	0.109	0.127	16.51
7)	TP	Trichlorofluor		0.246	0.223	0.307	0.269	0.269	0.303	0.271	0.270	10.84
8)	TP	Ethyl ether		0.079	0.076	0.072	0.070	0.074	0.074	0.075	0.074	4.01
10)	TP	1,1-Dichloroet		0.173	0.129	0.154	0.143	0.145	0.156	0.149	0.150	9.03
11)	TP	Carbon disulfide		0.468	0.454	0.501	0.463	0.473	0.508	0.493	0.480	4.28
12)	TP	Freon-113		0.136	0.112	0.167	0.145	0.140	0.163	0.140	0.143	12.79
13)	TP	Iodomethane		0.106	0.140	0.173	0.170	0.191	0.183	0.174	0.162	18.18
14)	TP	Acrolein			0.019	0.023	0.022	0.025	0.024	0.024	0.023	8.86
15)	TP	Methylene chlo		0.255	0.234	0.221	0.206	0.224	0.218	0.223	0.226	6.77
17)	TP	Acetone			0.046	0.048	0.052	0.054	0.065	0.059	0.054	13.47
18)	TP	trans-1,2-Dich		0.195	0.218	0.220	0.205	0.212	0.215	0.213	0.211	4.04
19)	TP	Methyl acetate		0.108	0.086	0.123	0.124	0.141	0.139	0.130	0.122	15.89
20)	TP	Methyl tert butyl ether		0.490	0.478	0.504	0.491	0.529	0.520	0.515	0.504	3.68
21)	TP	tert-Butyl alc		0.010	0.012	0.013	0.013	0.014	0.014	0.013	0.013	12.19
22)	TP	Diisopropyl ether		0.854	0.903	0.953	0.925	0.995	0.973	0.980	0.941	5.28
23)	TP	1,1-Dichloroet		0.431	0.466	0.455	0.425	0.449	0.446	0.446	0.445	3.10
24)	TP	Halothane		0.148	0.156	0.171	0.157	0.161	0.169	0.163	0.161	4.94
25)	TP	Acrylonitrile		0.044	0.052	0.055	0.057	0.063	0.062	0.060	0.056	12.08
26)	TP	Ethyl tert-but		0.650	0.669	0.710	0.688	0.744	0.733	0.733	0.704	5.08
27)	TP	Vinyl acetate			0.430	0.523	0.544	0.567	0.549	0.566	0.530	9.70
28)	TP	cis-1,2-Dichlo		0.240	0.249	0.245	0.228	0.242	0.238	0.241	0.240	2.74
29)	TP	2,2-Dichloropr		0.355	0.359	0.376	0.345	0.352	0.367	0.353	0.358	2.94
30)	TP	Bromochloromet		0.119	0.115	0.112	0.103	0.108	0.104	0.104	0.109	5.72
31)	TP	Cyclohexane		0.405	0.358	0.509	0.425	0.417	0.482	0.413	0.430	11.75
32)	TP	Chloroform		0.397	0.434	0.405	0.383	0.407	0.402	0.410	0.405	3.78
33)	TP	Ethyl acetate		0.153	0.156	0.186	0.193	0.218	0.218	0.211	0.191	14.43
34)	TP	Carbon tetrachloride	0.375	0.303	0.266	0.339	0.291	0.300	0.327	0.308	0.314	10.56
35)	TP	Tetrahydrofuran		0.079	0.061	0.053	0.057	0.060	0.060	0.057	0.061	13.49
36)	S	Dibromofluoromethane	0.265	0.263	0.262	0.259	0.251	0.253	0.248	0.246	0.256	2.81
37)	TP	1,1,1-Trichlor		0.343	0.337	0.380	0.343	0.356	0.375	0.362	0.357	4.73
39)	TP	2-Butanone			0.062	0.081	0.088	0.094	0.098	0.091	0.086	15.24

Initial Calibration Summary
Form 6
Volatiles

Client	: **CHA Companies**	**Lab Number**	: **L2462016**
Project Name	: **FRIEDRICHSOHN OCT 2024**	**Project Number**	: **060017**
Instrument ID	: **VOA105**	**Ical Ref**	: **ICAL21625**
Calibration dates	: **10/22/24 19:04 10/22/24 22:53**		

Calibration Files
L11 =V05241022N03.D L1 =V05241022N05.D L2 =V05241022N07.D L3 =V05241022N08.D L4 =V05241022N09.D
L6 =V05241022N10.D L8 =V05241022N11.D L10 =V05241022N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.255	0.267	0.317	0.290	0.298	0.320	0.303	0.293	8.30
41) TP	Benzene	0.853	0.855	0.893	0.908	0.860	0.915	0.916	0.923	0.890	3.34
42) TP	Tertiary-Amyl Methyl Ether		0.509	0.518	0.525	0.515	0.566	0.564	0.566	0.538	4.93
43) S	1,2-Dichloroethane-d4	0.307	0.318	0.327	0.341	0.312	0.316	0.316	0.323	0.320	3.23
44) TP	1,2-Dichloroet		0.307	0.307	0.307	0.290	0.314	0.307	0.312	0.306	2.47
47) TP	Methyl cyclohe		0.350	0.265	0.405	0.345	0.344	0.400	0.343	0.350	13.20
48) TP	Trichloroethene	0.294	0.250	0.235	0.227	0.219	0.228	0.233	0.230	0.240	9.94
50) TP	Dibromomethane		0.112	0.121	0.121	0.115	0.127	0.125	0.128	0.121	4.95
51) TP	1,2-Dichloropr		0.220	0.242	0.243	0.232	0.251	0.246	0.252	0.241	4.78
53) TP	2-Chloroethyl		0.102	0.106	0.123	0.122	0.134	0.134	0.134	0.122	11.15
54) TP	Bromodichlorom		0.309	0.313	0.301	0.291	0.320	0.318	0.327	0.311	3.89
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	7.05
58) TP	cis-1,3-Dichloropropene	0.298	0.329	0.346	0.356	0.346	0.380	0.374	0.382	0.351	8.06
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.266	1.275	1.306	1.301	1.301	1.301	1.309	1.326	1.298	1.46
61) TP	Toluene		0.677	0.735	0.736	0.698	0.733	0.745	0.743	0.724	3.56
62) TP	4-Methyl-2-pen		0.074	0.070	0.078	0.079	0.085	0.085	0.082	0.079	7.14
63) TP	Tetrachloroethene		0.243	0.268	0.309	0.285	0.290	0.314	0.299	0.287	8.69
65) TP	trans-1,3-Dichloropropene	0.285	0.362	0.378	0.403	0.399	0.437	0.432	0.436	0.391	13.03
67) TP	Ethyl methacry		0.241	0.250	0.271	0.266	0.283	0.282	0.275	0.267	6.00
68) TP	1,1,2-Trichlor		0.180	0.174	0.185	0.179	0.187	0.186	0.185	0.182#	2.67
69) TP	Chlorodibromom		0.246	0.263	0.269	0.273	0.299	0.301	0.309	0.280	8.29
70) TP	1,3-Dichloropr		0.330	0.363	0.383	0.374	0.399	0.400	0.402	0.379	6.84
71) TP	1,2-Dibromoethane		0.176	0.203	0.212	0.212	0.230	0.231	0.232	0.214	9.51
72) TP	2-Hexanone		0.127	0.147	0.158	0.166	0.178	0.186	0.172	0.162	12.34
73) TP	Chlorobenzene		0.755	0.816	0.815	0.779	0.825	0.828	0.836	0.808	3.68
74) TP	Ethylbenzene		1.364	1.464	1.477	1.389	1.439	1.475	1.439	1.435	3.03
75) TP	1,1,1,2-Tetrac		0.261	0.274	0.285	0.278	0.300	0.299	0.304	0.286	5.54
76) TP	p/m Xylene		0.490	0.553	0.563	0.527	0.544	0.548	0.532	0.537	4.46
77) TP	o Xylene		0.484	0.531	0.536	0.506	0.530	0.529	0.519	0.519	3.58
78) TP	Styrene		0.790	0.881	0.890	0.855	0.893	0.876	0.847	0.862	4.16
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.246	0.240	0.263	0.274	0.307	0.308	0.310	0.278	10.84
82) TP	Isopropylbenzene		2.489	2.657	2.809	2.635	2.745	2.885	2.765	2.712	4.81
83) S	4-Bromofluorobenzene	0.883	0.907	0.935	0.934	0.923	0.926	0.939	0.944	0.924	2.18
84) TP	Bromobenzene		0.572	0.604	0.594	0.583	0.629	0.633	0.639	0.608	4.34

Initial Calibration Summary
Form 6
Volatiles

Client	**: CHA Companies**	**Lab Number**	**: L2462016**
Project Name	**: FRIEDRICHSOHN OCT 2024**	**Project Number**	**: 060017**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL21625**
Calibration dates	**: 10/22/24 19:04 10/22/24 22:53**		

Calibration Files
L11 =V05241022N03.D L1 =V05241022N05.D L2 =V05241022N07.D L3 =V05241022N08.D L4 =V05241022N09.D
L6 =V05241022N10.D L8 =V05241022N11.D L10 =V05241022N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.864	3.075	3.242	3.028	3.152	3.271	3.101	3.105	4.43
86) TP	1,4-Dichlorobu		0.714	0.757	0.764	0.742	0.798	0.795	0.785	0.765	4.02
87) TP	1,1,2,2-Tetrac		0.464	0.454	0.465	0.452	0.491	0.495	0.482	0.472	3.75
88) TP	4-Ethyltoluene		2.352	2.618	2.694	2.527	2.638	2.715	2.609	2.593	4.74
89) TP	2-Chlorotoluene		1.736	1.820	1.834	1.753	1.851	1.886	1.873	1.822	3.16
90) TP	1,3,5-Trimethy		2.297	2.348	2.330	2.206	2.291	2.335	2.237	2.292	2.32
91) TP	1,2,3-Trichlor		0.410	0.364	0.373	0.362	0.394	0.393	0.376	0.382	4.60
92) TP	trans-1,4-Dich		0.183	0.183	0.164	0.166	0.173	0.174	0.174	0.174	4.19
93) TP	4-Chlorotoluene		1.943	1.936	1.913	1.827	1.941	1.959	1.948	1.924	2.33
94) TP	tert-Butylbenzene		1.806	1.836	2.005	1.865	1.946	2.060	1.951	1.924	4.81
97) TP	1,2,4-Trimethy		2.093	2.333	2.291	2.176	2.301	2.314	2.243	2.250	3.87
98) TP	sec-Butylbenzene		2.627	2.558	2.919	2.689	2.773	2.976	2.732	2.754	5.47
99) TP	p-Isopropyltol		2.231	2.343	2.527	2.359	2.436	2.551	2.372	2.403	4.63
100) TP	1,3-Dichlorobe		1.116	1.202	1.184	1.162	1.240	1.234	1.223	1.194	3.72
101) TP	1,4-Dichlorobe		1.163	1.225	1.185	1.150	1.226	1.217	1.209	1.197	2.57
102) TP	p-Diethylbenzene		1.274	1.394	1.459	1.387	1.442	1.510	1.414	1.411	5.24
103) TP	n-Butylbenzene		1.841	1.914	2.063	1.910	1.990	2.106	1.935	1.965	4.75
104) TP	1,2-Dichlorobe		1.040	1.083	1.082	1.063	1.124	1.122	1.114	1.090	2.91
105) TP	1,2,4,5-Tetram		2.051	2.146	2.176	2.138	2.270	2.267	2.152	2.171	3.55
106) TP	1,2-Dibromo-3-		0.061	0.068	0.069	0.071	0.079	0.079	0.076	0.072	9.26
107) TP	1,3,5-Trichlor		0.709	0.774	0.767	0.767	0.810	0.809	0.770	0.772	4.39
108) TP	Hexachlorobuta		0.246	0.232	0.277	0.256	0.265	0.297	0.270	0.263	8.08
109) TP	1,2,4-Trichlor		0.626	0.649	0.675	0.660	0.705	0.705	0.669	0.670	4.30
110) TP	Naphthalene		1.575	1.619	1.645	1.628	1.744	1.723	1.603	1.648	3.80
111) TP	1,2,3-Trichlor		0.547	0.569	0.573	0.566	0.604	0.603	0.574	0.576	3.58

Calibration Verification Summary
Form 7
Volatiles

Client	: CHA Companies		Lab Number	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		Project Number	: 060017	
Instrument ID	: VOA105		Calibration Date	: 10/28/24 18:33	
Lab File ID	: V05241028N01		Init. Calib. Date(s)	: 10/22/24	10/22/24
Sample No	: WG1990236-2		Init. Calib. Times	: 19:04	22:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	68	0
Dichlorodifluoromethane	0.27	0.33	-	-22.2*	20	75	0
Chloromethane	0.339	0.361	-	-6.5	20	74	0
Vinyl chloride	0.236	0.288	-	-22*	20	78	0
Bromomethane	0.099	0.067	-	32.3*	20	56	0
Chloroethane	0.127	0.149	-	-17.3	20	80	0
Trichlorofluoromethane	0.27	0.393	-	-45.6*	20	87	0
Ethyl ether	0.074	0.078	-	-5.4	20	74	0
1,1-Dichloroethene	0.15	0.172	-	-14.7	20	76	0
Carbon disulfide	0.48	0.566	-	-17.9	20	77	0
Freon-113	0.143	0.2	-	-39.9*	20	82	0
Acrolein	0.023	0.027	-	-17.4	20	80	0
Methylene chloride	0.226	0.228	-	-0.9	20	70	0
Acetone	0.054	0.056	-	-3.7	20	80	0
trans-1,2-Dichloroethene	0.211	0.224	-	-6.2	20	69	0
Methyl acetate	0.122	0.136	-	-11.5	20	76	0
Methyl tert-butyl ether	0.504	0.491	-	2.6	20	66	0
tert-Butyl alcohol	0.013	0.011	-	15.4	20	56	0
Diisopropyl ether	0.941	1.084	-	-15.2	20	77	0
1,1-Dichloroethane	0.445	0.513	-	-15.3	20	77	0
Halothane	0.161	0.17	-	-5.6	20	67	0
Acrylonitrile	0.056	0.064	-	-14.3	20	79	0
Ethyl tert-butyl ether	0.704	0.695	-	1.3	20	67	0
Vinyl acetate	0.53	0.599	-	-13	20	78	0
cis-1,2-Dichloroethene	0.24	0.249	-	-3.8	20	69	0
2,2-Dichloropropane	0.358	0.381	-	-6.4	20	69	0
Bromochloromethane	0.109	0.112	-	-2.8	20	68	0
Cyclohexane	0.43	0.565	-	-31.4*	20	76	0
Chloroform	0.405	0.452	-	-11.6	20	76	0
Ethyl acetate	0.191	0.213	-	-11.5	20	78	0
Carbon tetrachloride	0.314	0.324	-	-3.2	20	65	0
Tetrahydrofuran	0.061	0.065	-	-6.6	20	84	0
Dibromofluoromethane	0.256	0.26	-	-1.6	20	68	0
1,1,1-Trichloroethane	0.357	0.414	-	-16	20	74	0
2-Butanone	0.086	0.092	-	-7	20	77	0
1,1-Dichloropropene	0.293	0.346	-	-18.1	20	74	0
Benzene	0.89	0.971	-	-9.1	20	73	0
tert-Amyl methyl ether	0.538	0.467	-	13.2	20	61	0
1,2-Dichloroethane-d4	0.32	0.394	-	-23.1*	20	79	0
1,2-Dichloroethane	0.306	0.367	-	-19.9	20	81	0
Methyl cyclohexane	0.35	0.426	-	-21.7*	20	72	0
Trichloroethene	0.24	0.248	-	-3.3	20	74	0
Dibromomethane	0.121	0.131	-	-8.3	20	74	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: CHA Companies		Lab Number	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		Project Number	: 060017	
Instrument ID	: VOA105		Calibration Date	: 10/28/24 18:33	
Lab File ID	: V05241028N01		Init. Calib. Date(s)	: 10/22/24	10/22/24
Sample No	: WG1990236-2		Init. Calib. Times	: 19:04	22:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.241	0.263	-	-9.1	20	74	0
2-Chloroethyl vinyl ether	0.122	0.124	-	-1.6	20	69	0
Bromodichloromethane	0.311	0.321	-	-3.2	20	72	0
1,4-Dioxane	0.00126	0.00113*	-	10.3	20	56	0
cis-1,3-Dichloropropene	0.351	0.356	-	-1.4	20	68	0
Chlorobenzene-d5	1	1	-	0	20	67	0
Toluene-d8	1.298	1.326	-	-2.2	20	69	0
Toluene	0.724	0.778	-	-7.5	20	71	0
4-Methyl-2-pentanone	0.079	0.076	-	3.8	20	66	0
Tetrachloroethene	0.287	0.301	-	-4.9	20	66	0
trans-1,3-Dichloropropene	0.391	0.398	-	-1.8	20	67	0
Ethyl methacrylate	0.267	0.247	-	7.5	20	62	0
1,1,2-Trichloroethane	0.182	0.193*	-	-6	20	70	0
Chlorodibromomethane	0.28	0.259	-	7.5	20	65	0
1,3-Dichloropropane	0.379	0.417	-	-10	20	73	0
1,2-Dibromoethane	0.214	0.217	-	-1.4	20	69	0
2-Hexanone	0.162	0.158	-	2.5	20	67	0
Chlorobenzene	0.808	0.841	-	-4.1	20	70	0
Ethylbenzene	1.435	1.585	-	-10.5	20	72	0
1,1,1,2-Tetrachloroethane	0.286	0.273	-	4.5	20	65	0
p/m Xylene	0.537	0.584	-	-8.8	20	70	0
o Xylene	0.519	0.554	-	-6.7	20	70	0
Styrene	0.862	0.929	-	-7.8	20	70	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	71	0
Bromoform	0.278	0.216	-	22.3*	20	58	0
Isopropylbenzene	2.712	2.893	-	-6.7	20	73	0
4-Bromofluorobenzene	0.924	0.919	-	0.5	20	69	0
Bromobenzene	0.608	0.591	-	2.8	20	70	0
n-Propylbenzene	3.105	3.411	-	-9.9	20	74	0
1,4-Dichlorobutane	0.765	0.845	-	-10.5	20	78	0
1,1,2,2-Tetrachloroethane	0.472	0.492	-	-4.2	20	75	0
4-Ethyltoluene	2.593	2.762	-	-6.5	20	72	0
2-Chlorotoluene	1.822	1.877	-	-3	20	72	0
1,3,5-Trimethylbenzene	2.292	2.452	-	-7	20	74	0
1,2,3-Trichloropropane	0.382	0.414	-	-8.4	20	78	0
trans-1,4-Dichloro-2-buten	0.174	0.18	-	-3.4	20	77	0
4-Chlorotoluene	1.924	2.002	-	-4.1	20	74	0
tert-Butylbenzene	1.924	2.021	-	-5	20	71	0
1,2,4-Trimethylbenzene	2.25	2.359	-	-4.8	20	73	0
sec-Butylbenzene	2.754	3.062	-	-11.2	20	74	0
p-Isopropyltoluene	2.403	2.633	-	-9.6	20	74	0
1,3-Dichlorobenzene	1.194	1.223	-	-2.4	20	73	0
1,4-Dichlorobenzene	1.197	1.231	-	-2.8	20	73	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: CHA Companies		Lab Number	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		Project Number	: 060017	
Instrument ID	: VOA105		Calibration Date	: 10/28/24 18:33	
Lab File ID	: V05241028N01		Init. Calib. Date(s)	: 10/22/24	10/22/24
Sample No	: WG1990236-2		Init. Calib. Times	: 19:04	22:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.411	1.519	-	-7.7	20	73	0
n-Butylbenzene	1.965	2.299	-	-17	20	79	0
1,2-Dichlorobenzene	1.09	1.103	-	-1.2	20	72	0
1,2,4,5-Tetramethylbenzene	2.171	2.147	-	1.1	20	70	0
1,2-Dibromo-3-chloropropan	0.072	0.057	-	20.8*	20	58	0
1,3,5-Trichlorobenzene	0.772	0.774	-	-0.3	20	71	0
Hexachlorobutadiene	0.263	0.278	-	-5.7	20	71	0
1,2,4-Trichlorobenzene	0.67	0.649	-	3.1	20	68	0
Naphthalene	1.648	1.577	-	4.3	20	68	0
1,2,3-Trichlorobenzene	0.576	0.558	-	3.1	20	69	0

* Value outside of QC limits.

SVOC Data Section

QA/QC Review of Method 8270E Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2462016

9 Ground Water Samples and 1 Field Duplicate
Collected October 23-24, 2024

Prepared by: Donald Anné
December 4, 2024

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 for SV107 on 07-30-24. The average RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 for SV106 on 10-09-24. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 on 10-28-24 (WG1989983-3). The RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 on 10-28-24 (WG1990038-3). The %D for 4-nitrophenol was above the method maximum on 10-28-24 (WG1989983-3). The %D for hexachlorocyclopentadiene was above the method maximum on 10-28-24 (WG1990038-3). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for 4-nitrophenol was above the allowable maximum (20%) on 10-28-24 (WG1989983-3). The %D for hexachlorocyclopentadiene was above the allowable maximum (20%) on 10-28-24 (WG1990038-3). Positive results for these compounds should be considered estimated (J) in associated samples.

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Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of three acid extractable surrogate recoveries for sample MW-2-20241023 was below control limits, but not below 10%. No action is taken on one surrogate recovery per fraction outside control limits, provided no recovery is less than 10%.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum; 2 of 2 percent recoveries (%Rs) for hexachlorocyclopentadiene were below QC limits, but not below 30%; and 2 of 2 %Rs for 3,3'-dichlorobenzidine were below QC limits and below 30% for aqueous MS/MSD sample MW-103B-20241023. The "not detected" result for hexachlorocyclopentadiene should be considered estimated (UJ) and the "not detected" result for 3,3'-dichlorobenzidine rejected, unusable (R) in sample MW-103B-20241023.

Laboratory Control Sample: The relative percent differences for 4-nitrophenol, 2,4-dinitrophenol, and 4,6-dinitro-o-cresol were above the allowable maximum for aqueous samples WG1989657-2/3. Positive results for these compounds should be considered estimated (J) in associated aqueous samples.

Two of two percent recoveries (%Rs) for 3,3'-dichlorobenzidine and 1 of 2 %Rs for hexachlorocyclopentadiene were below QC limits, but not below 30% for aqueous samples WG1989657-2/3. Positive results for these compounds should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-103-20241023/DUP-1-20241023 reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: CHA Companies
Project Name: FRIEDRICHSOHN OCT 2024

Lab Number: L2462016
Project Number: 060017
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-100-20241024 (L2462016-01)	25	16	76	68	37	60	0
MW-101B-20241024 (L2462016-02)	53	35	71	65	49	52	0
MW-102-20241024 (L2462016-03)	39	21	73	67	39	59	0
MW-102B-20241024 (L2462016-04)	59	37	85	78	53	65	0
MW-103-20241023 (L2462016-05)	32	28	81	64	54	76	0
MW-103B-20241023 (L2462016-06)	43	30	84	64	65	72	0
MW-104-20241023 (L2462016-07)	32	27	84	66	53	74	0
DUP-1-20241023 (L2462016-08)	30	25	76	67	52	70	0
MW-2-20241023 (L2462016-09)	10*	15	81	70	16	77	1
WC-1-20241024 (L2462016-10)	46	30	71	68	53	61	0
WG1989657-1BLANK	38	25	65	55	48	57	0
WG1989657-2LCS	43	32	71	63	62	64	0
WG1989657-3LCSD	48	36	83	72	68	75	0
MW-103B-20241023MS	47	35	84	67	71	71	0
MW-103B-20241023MSD	45	34	74	60	64	65	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1989657-2	Analysis Date : 10/28/24 16:19	File ID : 989657-2
LCSD Sample ID	: WG1989657-3	Analysis Date : 10/28/24 16:43	File ID : 989657-3

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Bis(2-chloroethyl)ether	20	15.	74		20	16.	82	10	40-140	30
3,3'-Dichlorobenzidine	20	6.3	31	Q	20	7.9	39	Q	23	40-140	30
2,4-Dinitrotoluene	20	15.	74		20	17.	84	13	48-143	30
2,6-Dinitrotoluene	20	14.	68		20	16.	80	16	40-140	30
4-Chlorophenyl phenyl ether	20	13.	67		20	15.	77	14	40-140	30
4-Bromophenyl phenyl ether	20	14.	69		20	15.	76	10	40-140	30
Bis(2-chloroisopropyl)ether	20	15.	77		20	18.	88	13	40-140	30
Bis(2-chloroethoxy)methane	20	16.	78		20	18.	88	12	40-140	30
Hexachlorocyclopentadiene	20	6.9	34	Q	20	8.3	41	19	40-140	30
Isophorone	20	15.	75		20	18.	88	16	40-140	30
Nitrobenzene	20	15.	75		20	17.	84	11	40-140	30
NDPA/DPA	20	15.	74		20	17.	84	13	40-140	30
n-Nitrosodi-n-propylamine	20	15.	77		20	18.	89	14	29-132	30
Bis(2-ethylhexyl)phthalate	20	14.	73		20	17.	86	16	40-140	30
Butyl benzyl phthalate	20	14.	70		20	17.	85	19	40-140	30
Di-n-butylphthalate	20	14.	72		20	17.	83	14	40-140	30
Di-n-octylphthalate	20	14.	68		20	17.	85	22	40-140	30
Diethyl phthalate	20	15.	76		20	18.	88	15	40-140	30
Dimethyl phthalate	20	14.	71		20	16.	82	14	40-140	30
Biphenyl	20	13.	66		20	15.	76	14	40-140	30
4-Chloroaniline	20	13.	66		20	16.	81	20	40-140	30
2-Nitroaniline	20	14.	69		20	17.	84	20	52-143	30
3-Nitroaniline	20	15.	76		20	17.	86	12	25-145	30
4-Nitroaniline	20	15.	74		20	17.	84	13	51-143	30
Dibenzofuran	20	14.	68		20	16.	78	14	40-140	30
1,2,4,5-Tetrachlorobenzene	20	11.	56		20	13.	65	15	2-134	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: CHA Companies	**Lab Number**	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	**Project Number**	: 060017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1989657-2	**Analysis Date** : 10/28/24 16:19	**File ID** : 989657-2
LCSD Sample ID	: WG1989657-3	**Analysis Date** : 10/28/24 16:43	**File ID** : 989657-3

	Laboratory Control Sample			Laboratory Control Duplicate						
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD		Recovery Limits	RPD Limit
Acetophenone	20	15.	77	20	18.	88	13		39-129	30
2,4,6-Trichlorophenol	20	12.	62	20	14.	69	11		30-130	30
p-Chloro-m-cresol	20	14.	69	20	16.	82	17		23-97	30
2-Chlorophenol	20	14.	68	20	15.	77	12		27-123	30
2,4-Dichlorophenol	20	14.	69	20	16.	80	15		30-130	30
2,4-Dimethylphenol	20	11.	57	20	13.	65	13		30-130	30
2-Nitrophenol	20	14.	69	20	16.	78	12		30-130	30
4-Nitrophenol	20	10.	50	20	6.4	32	44	Q	10-80	30
2,4-Dinitrophenol	20	21.	105	20	13.	64	49	Q	20-130	30
4,6-Dinitro-o-cresol	20	15.	77	20	11.	54	35	Q	20-164	30
Phenol	20	7.1	36	20	8.5	42	15		12-110	30
2-Methylphenol	20	12.	63	20	14.	71	12		30-130	30
3-Methylphenol/4-Methylphenol	20	12.	63	20	15.	74	16		30-130	30
2,4,5-Trichlorophenol	20	14.	69	20	15.	77	11		30-130	30
Carbazole	20	14.	73	20	17.	85	15		55-144	30
Atrazine	20	14.	71	20	16.	82	14		40-140	30
Benzaldehyde	20	14.	71	20	16.	80	12		40-140	30
Caprolactam	20	5.3	26	20	6.2	31	18		10-130	30
2,3,4,6-Tetrachlorophenol	20	14.	70	20	14.	72	3		40-140	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Client Sample ID	: MW-103B-20241023	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2462016-06	Analysis Date	: 10/28/24 21:52
Matrix Spike	: WG1989657-4	MS Analysis Date	: 10/28/24 22:16
Matrix Spike Dup	: WG1989657-5	MSD Analysis Date	: 10/28/24 22:40

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Bis(2-chloroethyl)ether	ND	20	16.	80		20	15.	75		6	40-140	30
3,3'-Dichlorobenzidine	ND	20	4.8J	24	Q	20	4.9J	25	Q	2	40-140	30
2,4-Dinitrotoluene	ND	20	17.	85		20	16.	80		6	48-143	30
2,6-Dinitrotoluene	ND	20	16.	80		20	16.	80		0	40-140	30
4-Chlorophenyl phenyl ether	ND	20	14.	70		20	13.	65		7	40-140	30
4-Bromophenyl phenyl ether	ND	20	14.	70		20	13.	65		7	40-140	30
Bis(2-chloroisopropyl)ether	ND	20	18.	90		20	16.	80		12	40-140	30
Bis(2-chloroethoxy)methane	ND	20	18.	90		20	16.	80		12	40-140	30
Hexachlorocyclopentadiene	ND	20	7.7J	39	Q	20	6.3J	32	Q	20	40-140	30
Isophorone	ND	20	18.	90		20	16.	80		12	40-140	30
Nitrobenzene	ND	20	18.	90		20	16.	80		12	40-140	30
NDPA/DPA	ND	20	16.	80		20	15.	75		6	40-140	30
n-Nitrosodi-n-propylamine	ND	20	18.	90		20	17.	85		6	29-132	30
Bis(2-ethylhexyl)phthalate	ND	20	19.	95		20	17.	85		11	40-140	30
Butyl benzyl phthalate	ND	20	18.	90		20	17.	85		6	40-140	30
Di-n-butylphthalate	ND	20	17.	85		20	17.	85		0	40-140	30
Di-n-octylphthalate	ND	20	18.	90		20	17.	85		6	40-140	30
Diethyl phthalate	ND	20	17.	85		20	16.	80		6	40-140	30
Dimethyl phthalate	ND	20	16.	80		20	15.	75		6	40-140	30
Biphenyl	ND	20	14.	70		20	13.	65		7	40-140	30
4-Chloroaniline	ND	20	12.	60		20	13.	65		8	40-140	30
2-Nitroaniline	ND	20	17.	85		20	16.	80		6	52-143	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Client Sample ID	: MW-103B-20241023	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2462016-06	Analysis Date	: 10/28/24 21:52
Matrix Spike	: WG1989657-4	MS Analysis Date	: 10/28/24 22:16
Matrix Spike Dup	: WG1989657-5	MSD Analysis Date	: 10/28/24 22:40

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
3-Nitroaniline	ND	20	17.	85	20	16.	80	6	25-145	30
4-Nitroaniline	ND	20	18.	90	20	18.	90	0	51-143	30
Dibenzofuran	ND	20	15.	75	20	13.	65	14	40-140	30
1,2,4,5-Tetrachlorobenzene	ND	20	12.	60	20	11.	55	9	2-134	30
Acetophenone	ND	20	18.	90	20	16.	80	12	39-129	30
2,4,6-Trichlorophenol	ND	20	15.	75	20	13.	65	14	30-130	30
p-Chloro-m-cresol	ND	20	17.	85	20	17.	85	0	23-97	30
2-Chlorophenol	ND	20	15.	75	20	14.	70	7	27-123	30
2,4-Dichlorophenol	ND	20	16.	80	20	14.	70	13	30-130	30
2,4-Dimethylphenol	ND	20	14.	70	20	12.	60	15	30-130	30
2-Nitrophenol	ND	20	17.	85	20	14.	70	19	30-130	30
4-Nitrophenol	ND	20	13.	65	20	11.	55	17	10-80	30
2,4-Dinitrophenol	ND	20	25.	130	20	24.	120	4	20-130	30
4,6-Dinitro-o-cresol	ND	20	18.	90	20	17.	85	6	20-164	30
Phenol	ND	20	8.1	41	20	7.4	37	9	12-110	30
2-Methylphenol	ND	20	14.	70	20	13.	65	7	30-130	30
3-Methylphenol/4-Methylphenol	ND	20	14.	70	20	12.	60	15	30-130	30
2,4,5-Trichlorophenol	ND	20	16.	80	20	15.	75	6	30-130	30
Carbazole	ND	20	17.	85	20	15.	75	13	55-144	30
Atrazine	ND	20	16.	80	20	16.	80	0	40-140	30
Benzaldehyde	ND	20	16.	80	20	15.	75	6	40-140	30
Caprolactam	ND	20	7.5J	38	20	7.0J	35	7	10-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: CHA Companies		Lab Number	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		Project Number	: 060017	
Client Sample ID	: MW-103B-20241023		Matrix (Level)	: WATER (LOW)	
Lab Sample ID	: L2462016-06		Analysis Date	: 10/28/24 21:52	
Matrix Spike	: WG1989657-4		MS Analysis Date	: 10/28/24 22:16	
Matrix Spike Dup	: WG1989657-5		MSD Analysis Date	: 10/28/24 22:40	

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
2,3,4,6-Tetrachlorophenol	ND	20	16.	80	20	15.	75	6	40-140	30

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: CHA Companies**	**Lab Number**	**: L2462016**
Project Name	**: FRIEDRICHSOHN OCT 2024**	**Project Number**	**: 060017**
Instrument ID	**: SV107**	**Ical Ref**	**: ICAL21360**
Calibration dates	**: 07/30/24 19:25 07/31/24 07:43**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine		0.624	0.767	0.690	0.709	0.713	0.729	0.717	0.734	0.710	5.84
3)	t	Pyridine		0.926	1.093	1.046	1.076	1.192	1.133	1.066	1.160	1.086	7.50
4)	S	2-Fluorophenol		0.970	1.079	1.023	1.072	1.084	1.124	1.101	1.186	1.080	5.97
5)	T	Aniline	1.690	1.824	1.749	1.712	1.707	1.641	1.829	1.825	1.908	1.765	4.86
6)	t	2-Chlorophenol	1.239	1.274	1.314	1.229	1.265	1.234	1.342	1.348	1.403	1.294	4.70
7)	S	Phenol-d6	1.250	1.403	1.443	1.386	1.371	1.328	1.476	1.493	1.566	1.413	6.68
8)	T	Phenol	1.525	1.651	1.602	1.506	1.512	1.452	1.578	1.599	1.673	1.566	4.64
9)	T	bis(2-Chloroethyl)ether	1.334	1.365	1.296	1.197	1.159	1.116	1.235	1.237	1.286	1.247	6.54
10)	T	1,3-Dichlorobenzene	1.625	1.839	1.597	1.526	1.500	1.472	1.555	1.532	1.641	1.587	6.92
11)	T	1,4-Dichlorobenzene	1.579	1.873	1.614	1.563	1.500	1.477	1.582	1.559	1.648	1.599	7.19
12)	T	1,2-Dichlorobenzene	1.492	1.802	1.637	1.481	1.437	1.427	1.553	1.593	1.633	1.562	7.67
13)	t	Benzyl alcohol		1.029	0.984	0.896	0.916	0.918	1.069	1.114	1.151	1.010	9.59
14)	T	bis(2-chloroisopropyl)ether	1.584	1.788	1.653	1.540	1.515	1.455	1.649	1.664	1.708	1.617	6.39
15)	T	2-Methylphenol	1.065	1.097	1.101	1.073	1.068	1.000	1.180	1.237	1.316	1.126	8.82
16)	T	Hexachloroethane	0.435	0.657	0.567	0.540	0.552	0.543	0.572	0.585	0.614	0.563	10.79
17)	T	n-Nitrosodi-n-propylamine		0.866	0.827	0.804	0.812	0.775	0.906	0.938	0.969	0.862	8.07
18)	T	3-Methylphenol/4-Methylphenol		1.280	1.234	1.157	1.179	1.090	1.278	1.325	1.386	1.241	7.76
19)	S	Nitrobenzene-d5	1.421	1.399	1.344	1.288	1.277	1.240	1.407	1.446	1.486	1.368	6.17
20)	T	Nitrobenzene	1.242	1.327	1.317	1.249	1.250	1.204	1.386	1.403	1.431	1.312	6.17
21)	T	Isophorone	2.288	2.249	2.253	2.150	2.273	2.121	2.526	2.581	2.652	2.344	8.22
22)	T	2-Nitrophenol				0.529	0.596	0.594	0.725	0.760	0.795	0.667	16.11
23)	T	2,4-Dimethylphenol		1.085	1.078	1.118	1.086	0.664	1.133	1.188	1.298	1.081	17.00
24)	T	bis(2-Chloroethoxy)methane	1.772	1.688	1.538	1.503	1.513	1.374	1.577	1.611	1.690	1.585	7.60
25)	T	2,4-Dichlorophenol		1.109	1.081	1.090	1.120	1.073	1.266	1.323	1.383	1.180	10.47
26)	T	1,2,4-Trichlorobenzene	1.386	1.596	1.469	1.329	1.303	1.245	1.387	1.425	1.504	1.405	7.69
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde		1.113	1.135	1.132	1.078	1.101	1.175	1.198	1.223	1.145	4.37
29)	T	Acetophenone		1.955	1.982	2.026	1.901	1.937	2.098	2.153	2.202	2.032	5.35
30)	T	m-Toluidine	1.270	1.621	1.725	1.791	1.838	1.902	2.105	2.210	2.276	1.860	16.85
31)	T	2-Chloroaniline	1.465	1.578	1.717	1.763	1.706	1.767	1.913	1.985	2.060	1.773	10.69
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)		1,4-Dioxane		0.485	0.487	0.521	0.437	0.401	0.468	0.430	0.446	0.459	8.33
34)	T	n-Decane	1.305	1.364	1.381	1.475	1.372	1.263	1.425	1.402	1.509	1.388	5.54
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.325	1.285	1.153	1.086	1.018	0.995	1.087	1.085	1.154	1.132	9.86

Initial Calibration Summary
Form 6
Semivolatiles

Client	: **CHA Companies**	**Lab Number**	: **L2462016**
Project Name	: **FRIEDRICHSOHN OCT 2024**	**Project Number**	: **060017**
Instrument ID	: **SV107**	**Ical Ref**	: **ICAL21360**
Calibration dates	: **07/30/24 19:25 07/31/24 07:43**		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid					0.141	0.169	0.227	0.248	0.272	*L	0.9979
38)	T	4-Chloroaniline	0.106	0.129	0.120	0.127	0.121	0.121	0.134	0.135	0.144	0.126	8.66
39)	T	Hexachlorobutadiene	0.207	0.271	0.226	0.212	0.213	0.205	0.221	0.224	0.235	0.224	8.96
40)	T	p-Chloro-m-cresol	0.217	0.276	0.271	0.272	0.274	0.258	0.315	0.319	0.345	0.283	13.43
41)	T	2-Methylnaphthalene	0.825	0.784	0.716	0.702	0.687	0.656	0.736	0.735	0.793	0.737	7.41
42)	T	1-Methylnaphthalene	0.212	0.276	0.236	0.226	0.224	0.218	0.244	0.245	0.263	0.238	8.97
43)	T	Hexachlorocyclopentadiene	0.164	0.216	0.205	0.204	0.199	0.198	0.231	0.234	0.255	0.212	12.42
44)	T	2,4,6-Trichlorophenol	0.167	0.222	0.209	0.227	0.233	0.219	0.264	0.272	0.294	0.234	16.11
45)	T	2,4,5-Trichlorophenol	0.170	0.235	0.231	0.239	0.244	0.237	0.283	0.291	0.307	0.249	16.38
46)	S	2-Fluorobiphenyl	0.972	1.060	0.884	0.851	0.817	0.767	0.890	0.897	0.961	0.900	9.79
47)	T	2-Chloronaphthalene	0.858	0.850	0.745	0.729	0.711	0.650	0.756	0.760	0.808	0.763	8.75
48)	T	2-Nitroaniline			0.155	0.170	0.193	0.181	0.236	0.238	0.255	0.204	18.91
49)	T	1,4-Dinitrobenzene					0.097	0.089	0.118	0.120	0.125	0.110	14.44
50)	T	1,3-Dinitrobenzene					0.111	0.105	0.137	0.141	0.151	0.129	15.31
51)	T	Dimethyl phthalate		0.935	0.868	0.833	0.836	0.737	0.885	0.878	0.930	0.863	7.31
52)	T	Acenaphthylene	1.141	1.182	1.070	1.063	1.061	0.984	1.192	1.209	1.291	1.132	8.41
53)	T	2,6-Dinitrotoluene			0.137	0.157	0.164	0.153	0.189	0.184	0.198	0.169	12.99
54)	T	1,2-Dinitrobenzene			0.060	0.068	0.075	0.068	0.087	0.087	0.093	0.077	16.17
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.187	0.279	0.269	0.280	0.281	0.305	0.337	0.359	0.373	0.297	18.90
57)	T	3-Chloroaniline		0.137	0.151	0.150	0.156	0.165	0.179	0.179	0.185	0.163	10.60
58)	T	2,6-Dichlorophenol	0.202	0.277	0.299	0.308	0.315	0.332	0.361	0.382	0.400	0.319	18.62
59)	T	1-chloro-2-nitrobenzene		0.128	0.136	0.147	0.151	0.154	0.169	0.175	0.180	0.155	12.00
60)	T	Caprolactam				0.105	0.134	0.151	0.183	0.191	0.191	*L	0.9988
61)	T	1,2,4,5-Tetrachlorobenzene	0.443	0.435	0.442	0.429	0.427	0.425	0.455	0.457	0.484	0.444	4.24
62)	T	Biphenyl	0.952	1.044	1.044	0.993	0.991	0.977	1.060	1.113	1.147	1.036	6.22
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline			0.278	0.303	0.313	0.311	0.336	0.339	0.360	0.320	8.44
65)	T	Acenaphthene	1.218	1.273	1.188	1.104	1.021	1.022	1.083	1.136	1.198	1.138	7.76
66)	T	2,4-Dinitrophenol				0.084	0.124	0.134	0.193	0.218	0.230	*L	0.9940
67)	T	Dibenzofuran	2.280	2.138	1.895	1.802	1.687	1.641	1.747	1.808	1.913	1.879	11.15
68)	T	2,4-Dinitrotoluene			0.337	0.351	0.395	0.373	0.438	0.470	0.495	0.408	14.87
69)	T	4-Nitrophenol				0.222	0.245	0.239	0.261	0.271	0.281	0.253	8.58
70)	T	2,3,5,6-Tetrachlorophenol	0.197	0.299	0.336	0.333	0.348	0.338	0.389	0.402	0.427	0.341	19.68
71)	T	2,3,4,6-Tetrachlorophenol	0.201	0.266	0.308	0.324	0.340	0.333	0.371	0.378	0.408	0.325	19.20
72)	T	Diethyl phthalate	1.375	1.432	1.374	1.252	1.250	1.154	1.322	1.361	1.423	1.327	6.91

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: CHA Companies**	**Lab Number**	**: L2462016**
Project Name	**: FRIEDRICHSOHN OCT 2024**	**Project Number**	**: 060017**
Instrument ID	**: SV107**	**Ical Ref**	**: ICAL21360**
Calibration dates	**: 07/30/24 19:25 07/31/24 07:43**		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
73)	T	Fluorene	1.456	1.525	1.451	1.329	1.295	1.256	1.361	1.426	1.539	1.404	7.11	
74)	T	4-Chlorophenyl-phenylether	0.799	0.814	0.735	0.664	0.651	0.629	0.678	0.702	0.744	0.713	9.10	
75)	T	4-Nitroaniline			0.278	0.300	0.318	0.301	0.355	0.340	0.350	0.320	8.98	
76)	T	4,6-Dinitro-o-cresol			0.109	0.136	0.186	0.185	0.252	0.271	0.287		*L	0.9939
77)	T	NDPA/DPA	1.043	1.225	1.234	1.127	1.112	1.057	1.178	1.219	1.297	1.166	7.40	
78)	T	Azobenzene	1.162	1.290	1.300	1.178	1.204	1.129	1.249	1.232	1.294	1.226	5.08	
79)	S	2,4,6-Tribromophenol			0.171	0.159	0.175	0.170	0.190	0.214	0.232	0.187	14.31	
80)	T	4-Bromophenyl-phenylether	0.405	0.392	0.386	0.370	0.371	0.341	0.385	0.390	0.423	0.385	6.04	
81)	T	Hexachlorobenzene		0.437	0.445	0.420	0.394	0.381	0.415	0.437	0.469	0.425	6.62	
82)	T	Pentachlorophenol				0.192	0.240	0.234	0.298	0.327	0.345		*L	0.9960
83)	I	IS2_Acenaphthene-d10	----------ISTD----------											
84)	T	Dichloran				0.122	0.142	0.164	0.212	0.248	0.253		*L	0.9948
85)	T	Pentachloronitrobenzene				0.133	0.159	0.166	0.199	0.221	0.225		*L	0.9975
86)	I	IS3_Acenaphthene-d10	----------ISTD----------											
87)	T	Atrazine		0.249	0.284	0.293	0.307	0.315	0.369	0.386		0.315	15.27	
88)	I	IS1_Phenanthrene-d10	----------ISTD----------											
89)	T	Phenanthrene	1.312	1.332	1.162	1.089	1.016	1.017	1.107	1.132	1.194	1.151	9.86	
90)	T	Anthracene	1.105	1.151	1.050	1.039	0.991	0.991	1.111	1.140	1.222	1.089	7.11	
91)	T	Carbazole	0.904	0.969	0.974	0.960	0.930	0.920	1.062	1.071	1.153	0.994	8.41	
92)	T	Di-n-butylphthalate			0.916	0.932	0.979	0.945	1.199	1.313	1.375	1.094	17.94	
93)	T	Fluoranthene	1.268	1.306	1.223	1.157	1.181	1.138	1.279	1.384	1.415	1.261	7.68	
94)	T	Benzidine				0.535	0.618	0.533	0.763	0.778	0.895		*L	0.9908
95)	T	Pyrene	1.429	1.455	1.354	1.285	1.270	1.229	1.363	1.456	1.505	1.372	6.99	
96)	S	4-Terphenyl-d14	0.939	0.964	0.947	0.910	0.888	0.825	0.923	1.043	1.074	0.946	8.01	
97)	T	Butyl benzyl phthalate			0.318	0.342	0.401	0.384	0.557	0.620	0.652		*L	0.9907
98)	I	IS2_Phenanthrene-d10	----------ISTD----------											
99)	T	Diphenamid			0.398	0.403	0.444	0.484	0.554	0.623	0.639	0.507	19.79	
100)	I	IS3_Phenanthrene-d10	----------ISTD----------											
101)	T	n-Octadecane	0.286	0.314	0.366	0.378	0.385	0.375	0.422	0.435	0.471	0.381	15.10	
102)	T	Parathion			0.053	0.053	0.056	0.066	0.091	0.109	0.134		*Q	0.9983
103)	T	3,3'-Dimethylbenzidine				0.377	0.480	0.541	0.757	0.800	0.926		*L	0.9909
104)	I	IS1_Chrysene-d12	----------ISTD----------											
105)	T	Benzo[a]anthracene	1.617	1.570	1.439	1.357	1.331	1.335	1.472	1.474	1.485	1.453	6.91	
106)	T	3,3'-Dichlorobenzidine		0.323	0.338	0.374	0.418	0.422	0.521	0.547	0.554		*L	0.9961
107)	T	Chrysene		1.739	1.499	1.395	1.295	1.286	1.337	1.326	1.350	1.403	10.81	
108)	T	bis(2-Ethylhexyl)phthalate		0.527	0.534	0.564	0.662	0.667	0.862	0.884	0.905		*Q	0.9973

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: CHA Companies**	**Lab Number**	**: L2462016**
Project Name	**: FRIEDRICHSOHN OCT 2024**	**Project Number**	**: 060017**
Instrument ID	**: SV107**	**Ical Ref**	**: ICAL21360**
Calibration dates	**: 07/30/24 19:25 07/31/24 07:43**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
109)	T	Di-n-octylphthalate				0.742	0.786	0.999	1.008	1.405	1.499	1.568	*L	0.9935
110)	T	Benzo(b)fluoranthene	1.184	1.338	1.252	1.212	1.197	1.198	1.244	1.304	1.334	1.251	4.80	
111)	T	Benzo(k)fluoranthene	1.077	1.225	1.303	1.168	1.262	1.274	1.320	1.352	1.281	1.251	6.75	
112)	T	Benzo(a)pyrene	0.929	1.038	1.086	1.053	1.096	1.109	1.188	1.196	1.211	1.101	8.19	
113)	I	IS1_Perylene-d12	----------ISTD----------											
114)	T	Indeno(1,2,3-cd)pyrene		1.038	1.025	0.971	1.020	1.069	1.195	1.207	1.259	1.098	9.69	
115)	T	Dibenzo[a,h]anthracene	0.861	1.013	1.025	1.013	1.012	1.043	1.125	1.166	1.242	1.056	10.39	
116)	T	Benzo(g,h,i)perylene	0.957	1.101	0.996	0.983	0.996	1.024	1.039	0.894	0.806	0.977	8.78	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: CHA Companies**	**Lab Number**	**: L2462016**
Project Name	**: FRIEDRICHSOHN OCT 2024**	**Project Number**	**: 060017**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21604**
Calibration dates	**: 10/09/24 20:07 10/11/24 15:53**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.794	0.791	0.767	0.739	0.714	0.756	0.724	0.759	0.797	0.760	4.03
3)	t	Pyridine	1.259	1.357	1.206	1.165	1.167	1.210	1.166	1.206	1.233	1.219	4.99
4)	S	2-Fluorophenol	1.469	1.303	1.174	1.186	1.133	1.228	1.179	1.261	1.267	1.245	8.05
5)	T	Aniline	1.663	1.751	1.672	1.834	1.671	1.817	1.760	1.844	1.927	1.771	5.20
6)	t	2-Chlorophenol	1.427	1.504	1.219	1.353	1.263	1.386	1.328	1.380	1.426	1.365	6.39
7)	S	Phenol-d6	1.690	1.672	1.373	1.453	1.356	1.471	1.439	1.490	1.538	1.498	7.85
8)	T	Phenol	1.782	1.590	1.411	1.532	1.437	1.569	1.508	1.563	1.599	1.555	6.90
9)	T	bis(2-Chloroethyl)ether	1.547	1.430	1.155	1.205	1.157	1.290	1.215	1.243	1.282	1.280	10.18
10)	T	1,3-Dichlorobenzene	1.810	1.795	1.663	1.645	1.555	1.636	1.587	1.649	1.679	1.669	5.09
11)	T	1,4-Dichlorobenzene	1.853	1.897	1.663	1.742	1.547	1.652	1.586	1.663	1.696	1.700	6.76
12)	T	1,2-Dichlorobenzene	1.987	1.723	1.549	1.575	1.494	1.609	1.530	1.580	1.625	1.630	9.12
13)	t	Benzyl alcohol	1.155	1.145	0.982	1.001	0.932	1.064	1.047	1.076	1.140	1.060	7.40
14)	T	bis(2-chloroisopropyl)ether	2.486	2.142	1.894	2.011	1.807	1.970	1.888	1.935	1.990	2.014	9.94
15)	T	2-Methylphenol	1.240	1.140	1.057	1.085	1.025	1.140	1.101	1.148	1.174	1.123	5.75
16)	T	Hexachloroethane	0.710	0.636	0.598	0.613	0.559	0.601	0.584	0.612	0.612	0.614	6.85
17)	T	n-Nitrosodi-n-propylamine	1.069	1.007	0.853	0.911	0.822	0.960	0.916	0.940	0.985	0.940	8.11
18)	T	3-Methylphenol/4-Methylphenol	1.351	1.247	1.151	1.188	1.120	1.250	1.202	1.243	1.276	1.225	5.66
19)	S	Nitrobenzene-d5	1.664	1.365	1.257	1.277	1.207	1.373	1.329	1.366	1.397	1.359	9.59
20)	T	Nitrobenzene	1.673	1.444	1.291	1.318	1.233	1.384	1.363	1.378	1.417	1.389	8.97
21)	T	Isophorone	2.685	2.494	2.213	2.320	2.136	2.481	2.408	2.450	2.557	2.416	7.06
22)	T	2-Nitrophenol	0.725	0.742	0.599	0.681	0.644	0.752	0.721	0.771	0.778	0.713	8.43
23)	T	2,4-Dimethylphenol	1.273	1.164	1.053	1.089	1.008	1.124	1.080	1.101	1.174	1.119	6.94
24)	T	bis(2-Chloroethoxy)methane	1.915	1.579	1.540	1.620	1.443	1.643	1.577	1.573	1.636	1.614	7.92
25)	T	2,4-Dichlorophenol	1.404	1.292	1.102	1.201	1.140	1.303	1.232	1.275	1.302	1.250	7.39
26)	T	1,2,4-Trichlorobenzene	1.696	1.587	1.414	1.423	1.316	1.411	1.381	1.403	1.407	1.449	8.08
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.774	0.848	0.995	0.869	1.012	0.975	0.981	0.966	1.108	0.948	10.60
29)	T	Acetophenone	1.728	1.786	1.934	1.608	1.877	1.809	1.798	1.826	2.091	1.829	7.34
30)	T	m-Toluidine			1.396	1.351	1.634	1.628	1.682	1.683	1.912	1.612	11.74
31)	T	2-Chloroaniline	1.363	1.516	1.622	1.464	1.694	1.652	1.649	1.650	1.874	1.609	9.14
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane		0.609	0.450	0.607	0.439	0.395	0.462	0.456	0.466	0.485	16.26
34)	T	n-Decane		1.504	1.315	1.921	1.407	1.268	1.487	1.469	1.516	1.486	13.30
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.353	1.228	1.064	1.107	1.009	1.089	1.067	1.105	1.142	1.129	9.13

Initial Calibration Summary
Form 6
Semivolatiles

Client	: **CHA Companies**	**Lab Number**	: **L2462016**
Project Name	: **FRIEDRICHSOHN OCT 2024**	**Project Number**	: **060017**
Instrument ID	: **SV106**	**Ical Ref**	: **ICAL21604**
Calibration dates	: **10/09/24 20:07 10/11/24 15:53**		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid					0.158	0.213	0.243	0.276	0.289	*L	0.9994
38)	T	4-Chloroaniline	0.123	0.144	0.111	0.131	0.114	0.129	0.126	0.130	0.132	0.127	7.95
39)	T	Hexachlorobutadiene	0.255	0.262	0.221	0.246	0.219	0.239	0.226	0.235	0.245	0.239	6.22
40)	T	p-Chloro-m-cresol	0.301	0.309	0.257	0.286	0.264	0.305	0.303	0.314	0.327	0.296	7.79
41)	T	2-Methylnaphthalene	0.899	0.803	0.686	0.722	0.672	0.747	0.726	0.750	0.767	0.752	9.00
42)	T	1-Methylnaphthalene	0.294	0.265	0.228	0.236	0.211	0.237	0.231	0.240	0.249	0.243	9.82
43)	T	Hexachlorocyclopentadiene	0.266	0.278	0.246	0.258	0.238	0.261	0.259	0.268	0.283	0.262	5.37
44)	T	2,4,6-Trichlorophenol	0.306	0.284	0.252	0.258	0.243	0.285	0.278	0.281	0.289	0.275	7.27
45)	T	2,4,5-Trichlorophenol	0.288	0.304	0.254	0.278	0.261	0.288	0.287	0.293	0.311	0.285	6.49
46)	S	2-Fluorobiphenyl	1.120	0.991	0.853	0.900	0.812	0.918	0.896	0.904	0.938	0.926	9.56
47)	T	2-Chloronaphthalene	0.953	0.836	0.728	0.770	0.691	0.769	0.763	0.763	0.788	0.785	9.50
48)	T	2-Nitroaniline	0.252	0.211	0.195	0.201	0.187	0.234	0.241	0.241	0.248	0.223	11.09
49)	T	1,4-Dinitrobenzene	0.113	0.112	0.103	0.101	0.101	0.122	0.123	0.124	0.128	0.114	9.32
50)	T	1,3-Dinitrobenzene	0.132	0.104	0.110	0.125	0.108	0.136	0.137	0.134	0.139	0.125	10.98
51)	T	Dimethyl phthalate	1.062	0.944	0.878	0.892	0.815	0.943	0.906	0.876	0.916	0.915	7.39
52)	T	Acenaphthylene	1.355	1.229	1.072	1.123	1.033	1.177	1.163	1.165	1.210	1.170	8.00
53)	T	2,6-Dinitrotoluene	0.193	0.168	0.161	0.182	0.167	0.204	0.200	0.196	0.202	0.186	8.97
54)	T	1,2-Dinitrobenzene	0.088	0.079	0.069	0.082	0.071	0.086	0.085	0.081	0.084	0.081	7.92
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.275	0.267	0.269	0.236	0.290	0.280	0.293	0.293	0.336	0.282	9.59
57)	T	3-Chloroaniline	0.109	0.107	0.147	0.120	0.138	0.140	0.144	0.137	0.152	0.132	12.57
58)	T	2,6-Dichlorophenol	0.244	0.282	0.299	0.262	0.307	0.310	0.320	0.315	0.361	0.300	11.42
59)	T	1-chloro-2-nitrobenzene	0.128	0.138	0.151	0.127	0.151	0.146	0.151	0.149	0.169	0.145	9.06
60)	T	Caprolactam		0.121	0.133	0.124	0.148	0.151	0.156	0.162	0.178	0.147	13.33
61)	T	1,2,4,5-Tetrachlorobenzene	0.362	0.388	0.443	0.367	0.409	0.398	0.406	0.396	0.448	0.402	7.30
62)	T	Biphenyl	0.800	0.845	0.953	0.829	0.952	0.925	0.914	0.914	1.032	0.907	7.94
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline	0.325	0.328	0.284	0.310	0.298	0.334	0.336	0.346	0.346	0.323	6.65
65)	T	Acenaphthene	1.468	1.237	1.049	1.163	1.000	1.107	1.100	1.148	1.141	1.157	11.64
66)	T	2,4-Dinitrophenol					0.141	0.198	0.224	0.241	0.249	*L	1.0000
67)	T	Dibenzofuran	2.384	2.124	1.675	1.894	1.624	1.767	1.756	1.812	1.811	1.872	12.80
68)	T	2,4-Dinitrotoluene	0.436	0.419	0.352	0.412	0.369	0.438	0.438	0.453	0.455	0.419	8.62
69)	T	4-Nitrophenol	0.227	0.227	0.189	0.243	0.217	0.255	0.257	0.267	0.267	0.239	10.86
70)	T	2,3,5,6-Tetrachlorophenol	0.372	0.380	0.337	0.377	0.357	0.406	0.418	0.432	0.435	0.390	8.75
71)	T	2,3,4,6-Tetrachlorophenol	0.405	0.372	0.339	0.390	0.345	0.400	0.399	0.406	0.412	0.385	7.04
72)	T	Diethyl phthalate	1.818	1.602	1.416	1.472	1.357	1.481	1.478	1.508	1.529	1.518	8.67

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: CHA Companies**	**Lab Number**	**: L2462016**
Project Name	**: FRIEDRICHSOHN OCT 2024**	**Project Number**	**: 060017**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21604**
Calibration dates	**: 10/09/24 20:07 10/11/24 15:53**		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73)	T	Fluorene	1.777	1.580	1.346	1.483	1.268	1.426	1.416	1.426	1.436	1.462	9.97
74)	T	4-Chlorophenyl-phenylether	0.990	0.829	0.702	0.742	0.632	0.721	0.710	0.716	0.711	0.750	13.75
75)	T	4-Nitroaniline	0.356	0.301	0.291	0.337	0.303	0.332	0.350	0.356	0.332	0.329	7.53
76)	T	4,6-Dinitro-o-cresol			0.168	0.203	0.212	0.263	0.285	0.300	0.308	*L	0.9982
77)	T	NDPA/DPA	1.502	1.304	1.165	1.267	1.112	1.256	1.247	1.245	1.253	1.261	8.51
78)	T	Azobenzene	1.440	1.309	1.095	1.233	1.093	1.238	1.207	1.226	1.252	1.232	8.53
79)	S	2,4,6-Tribromophenol	0.235	0.245	0.198	0.225	0.198	0.229	0.233	0.235	0.239	0.226	7.54
80)	T	4-Bromophenyl-phenylether	0.584	0.491	0.442	0.467	0.393	0.454	0.450	0.446	0.457	0.465	11.11
81)	T	Hexachlorobenzene	0.718	0.592	0.482	0.511	0.451	0.494	0.491	0.496	0.501	0.526	15.44
82)	T	Pentachlorophenol				0.264	0.266	0.325	0.342	0.351	0.363	0.319	13.63
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran			0.159	0.136	0.167	0.178	0.191	0.212	0.226	0.181	17.26
85)	T	Pentachloronitrobenzene	0.204	0.162	0.193	0.163	0.184	0.199	0.199	0.210	0.226	0.193	10.85
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine		0.376	0.330	0.478	0.406	0.394	0.422	0.452	0.462	0.415	11.80
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.504	1.339	1.033	1.155	1.048	1.124	1.097	1.144	1.118	1.174	12.95
90)	T	Anthracene	1.494	1.253	1.052	1.135	1.049	1.116	1.111	1.171	1.151	1.170	11.63
91)	T	Carbazole	1.297	1.044	0.920	1.035	0.962	1.045	1.035	1.090	1.056	1.054	9.94
92)	T	Di-n-butylphthalate	1.460	1.281	1.142	1.233	1.152	1.352	1.379	1.432	1.438	1.319	9.27
93)	T	Fluoranthene	1.613	1.418	1.239	1.306	1.215	1.347	1.322	1.385	1.336	1.353	8.60
94)	T	Benzidine			0.595	0.722	0.695	0.841	0.850	0.871	0.857	0.776	13.67
95)	T	Pyrene	1.693	1.490	1.310	1.402	1.290	1.410	1.405	1.444	1.408	1.428	8.18
96)	S	4-Terphenyl-d14	1.298	1.156	0.979	1.043	0.954	1.059	1.053	1.072	1.048	1.073	9.45
97)	T	Butyl benzyl phthalate	0.554	0.490	0.442	0.498	0.483	0.600	0.617	0.646	0.660	0.555	14.35
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.461	0.460	0.464	0.452	0.481	0.530	0.521	0.569	0.607	0.505	10.94
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane		0.432	0.385	0.572	0.478	0.483	0.501	0.513	0.519	0.485	11.71
102)	T	Parathion		0.083	0.076	0.113	0.097	0.104	0.125	0.145	0.157	*Q	0.9979
103)	T	3,3'-Dimethylbenzidine				0.800	0.702	0.747	0.896	0.958		0.821	12.85
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.766	1.533	1.218	1.308	1.238	1.316	1.294	1.390	1.349	1.379	12.46
106)	T	3,3'-Dichlorobenzidine	0.462	0.427	0.372	0.440	0.426	0.468	0.473	0.516	0.494	0.453	9.40
107)	T	Chrysene	1.714	1.447	1.236	1.320	1.201	1.260	1.208	1.295	1.232	1.324	12.45
108)	T	bis(2-Ethylhexyl)phthalate	0.830	0.764	0.664	0.758	0.765	0.896	0.898	0.925	0.952	0.828	11.62

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: CHA Companies**	**Lab Number**	**: L2462016**
Project Name	**: FRIEDRICHSOHN OCT 2024**	**Project Number**	**: 060017**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21604**
Calibration dates	**: 10/09/24 20:07 10/11/24 15:53**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Di-n-octylphthalate	1.260	1.251	1.050	1.157	1.225	1.506	1.554	1.655	1.700	1.373	17.03
110)	T	Benzo(b)fluoranthene	1.483	1.369	1.200	1.339	1.248	1.285	1.347	1.364	1.342	1.331	6.09
111)	T	Benzo(k)fluoranthene	1.430	1.322	1.109	1.208	1.121	1.257	1.124	1.332	1.254	1.240	8.91
112)	T	Benzo(a)pyrene	1.236	1.183	0.962	1.139	1.084	1.160	1.144	1.266	1.223	1.155	7.93
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.397	1.246	1.043	1.161	1.132	1.211	1.255	1.319	1.150	1.213	8.75
115)	T	Dibenzo[a,h]anthracene	1.310	1.235	1.009	1.135	1.085	1.161	1.154	1.202	1.089	1.153	7.73
116)	T	Benzo(g,h,i)perylene	1.280	1.167	0.971	1.084	1.022	1.086	1.080	1.122	0.906	1.080	10.10

Calibration Verification Summary
Form 7
Semivolatiles

Client	: CHA Companies		Lab Number	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		Project Number	: 060017	
Instrument ID	: SV106		Calibration Date	: 10/28/24 12:21	
Lab File ID	: ABN1028		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG1989983-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	164	0
n-Nitrosodimethylamine	0.76	0.788	-	-3.7	20	171	0
Pyridine	1.219	1.188	-	2.5	20	161	0
2-Fluorophenol	1.245	1.128	-	9.4	20	150	0
Aniline	1.771	1.801	-	-1.7	20	162	0
2-Chlorophenol	1.365	1.313	-	3.8	20	155	0
Phenol-d6	1.498	1.464	-	2.3	20	163	0
Phenol	1.555	1.554	-	0.1	20	162	0
Bis(2-chloroethyl)ether	1.28	1.219	-	4.8	20	155	0
1,3-Dichlorobenzene	1.669	1.525	-	8.6	20	153	0
1,4-Dichlorobenzene	1.7	1.554	-	8.6	20	154	0
1,2-Dichlorobenzene	1.63	1.496	-	8.2	20	152	0
Benzyl alcohol	1.06	1.061	-	-0.1	20	163	0
Bis(2-chloroisopropyl)ethe	2.014	2.164	-	-7.4	20	180	0
2-Methylphenol	1.123	1.114	-	0.8	20	160	0
Hexachloroethane	0.614	0.572	-	6.8	20	156	0
n-Nitrosodi-n-propylamine	0.94	0.958	-	-1.9	20	163	0
3-Methylphenol/4-Methylphe	1.225	1.212	-	1.1	20	159	0
Nitrobenzene-d5	1.359	1.349	-	0.7	20	161	0
Nitrobenzene	1.389	1.418	-	-2.1	20	168	0
Isophorone	2.416	2.472	-	-2.3	20	163	0
2-Nitrophenol	0.713	0.682	-	4.3	20	148	0
2,4-Dimethylphenol	1.119	1.165	-	-4.1	20	170	0
Bis(2-chloroethoxy)methane	1.614	1.619	-	-0.3	20	161	0
2,4-Dichlorophenol	1.25	1.196	-	4.3	20	150	0
1,2,4-Trichlorobenzene	1.449	1.274	-	12.1	20	148	0
IS1_Naphthalene-d8	1	1	-	0	20	165	0
Naphthalene	1.129	1.023	-	9.4	20	155	0
Benzoic Acid	5	4.856	-	2.9	20	162	0
4-Chloroaniline	0.127	0.134	-	-5.5	20	171	0
Hexachlorobutadiene	0.239	0.205	-	14.2	20	141	0
p-Chloro-m-cresol	0.296	0.298	-	-0.7	20	161	0
2-Methylnaphthalene	0.752	0.691	-	8.1	20	153	0
1-Methylnaphthalene	0.243	0.234	-	3.7	20	163	0
Hexachlorocyclopentadiene	0.262	0.234	-	10.7	20	148	0
2,4,6-Trichlorophenol	0.275	0.252	-	8.4	20	146	0
2,4,5-Trichlorophenol	0.285	0.269	-	5.6	20	154	0
2-Fluorobiphenyl	0.926	0.831	-	10.3	20	149	0
2-Chloronaphthalene	0.785	0.711	-	9.4	20	152	0
2-Nitroaniline	0.223	0.223	-	0	20	157	0
1,4-Dinitrobenzene	0.114	0.115	-	-0.9	20	156	0
1,3-Dinitrobenzene	0.125	0.126	-	-0.8	20	153	0
Dimethyl phthalate	0.915	0.889	-	2.8	20	155	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: CHA Companies		Lab Number	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		Project Number	: 060017	
Instrument ID	: SV106		Calibration Date	: 10/28/24 12:21	
Lab File ID	: ABN1028		Init. Calib. Date(s)	: 10/09/24	10/11/24
Sample No	: WG1989983-3		Init. Calib. Times	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.113	-	4.9	20	156	0
2,6-Dinitrotoluene	0.186	0.188	-	-1.1	20	152	0
1,2-Dinitrobenzene	0.081	0.081	-	0	20	156	0
IS1_Acenaphthene-d10	1	1	-	0	20	158	0
3-Nitroaniline	0.323	0.341	-	-5.6	20	161	0
Acenaphthene	1.157	1.079	-	6.7	20	154	0
2,4-Dinitrophenol	5	5.37	-	-7.4	20	170	0
Dibenzofuran	1.872	1.741	-	7	20	156	0
2,4-Dinitrotoluene	0.419	0.44	-	-5	20	159	0
4-Nitrophenol	0.239	0.293	-	-22.6*	20	181	0
2,3,5,6-Tetrachlorophenol	0.39	0.378	-	3.1	20	147	0
2,3,4,6-Tetrachlorophenol	0.385	0.372	-	3.4	20	147	0
Diethyl phthalate	1.518	1.489	-	1.9	20	159	0
Fluorene	1.462	1.409	-	3.6	20	156	0
4-Chlorophenyl phenyl ethe	0.75	0.675	-	10	20	148	0
4-Nitroaniline	0.329	0.33	-	-0.3	20	157	0
4,6-Dinitro-o-cresol	5	4.777	-	4.5	20	162	0
NDPA/DPA	1.261	1.235	-	2.1	20	155	0
Azobenzene	1.232	1.353	-	-9.8	20	173	0
2,4,6-Tribromophenol	0.226	0.21	-	7.1	20	145	0
4-Bromophenyl phenyl ether	0.465	0.419	-	9.9	20	146	0
Hexachlorobenzene	0.526	0.453	-	13.9	20	145	0
Pentachlorophenol	0.319	0.305	-	4.4	20	148	0
IS1_Phenanthrene-d10	1	1	-	0	20	160	0
Phenanthrene	1.174	1.104	-	6	20	157	0
Anthracene	1.17	1.12	-	4.3	20	161	0
Carbazole	1.054	1.052	-	0.2	20	161	0
Di-n-butylphthalate	1.319	1.305	-	1.1	20	154	0
Fluoranthene	1.353	1.287	-	4.9	20	153	0
Benzidine	0.776	0.831	-	-7.1	20	158	0
Pyrene	1.428	1.36	-	4.8	20	154	0
4-Terphenyl-d14	1.073	0.994	-	7.4	20	150	0
Butyl benzyl phthalate	0.555	0.572	-	-3.1	20	153	0
IS1_Chrysene-d12	1	1	-	0	20	151	0
Benzo(a)anthracene	1.379	1.321	-	4.2	20	151	0
3,3'-Dichlorobenzidine	0.453	0.463	-	-2.2	20	149	0
Chrysene	1.324	1.239	-	6.4	20	148	0
Bis(2-ethylhexyl)phthalate	0.828	0.869	-	-5	20	146	0
Di-n-octylphthalate	1.373	1.437	-	-4.7	20	144	0
Benzo(b)fluoranthene	1.331	1.261	-	5.3	20	148	0
Benzo(k)fluoranthene	1.24	1.166	-	6	20	140	0
Benzo(a)pyrene	1.155	1.098	-	4.9	20	143	0
IS1_Perylene-d12	1	1	-	0	20	143	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: CHA Companies		**Lab Number**	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		**Project Number**	: 060017	
Instrument ID	: SV106		**Calibration Date**	: 10/28/24 12:21	
Lab File ID	: ABN1028		**Init. Calib. Date(s)**	: 10/09/24	10/11/24
Sample No	: WG1989983-3		**Init. Calib. Times**	: 20:07	15:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.174	-	3.2	20	139	0
Dibenzo(a,h)anthracene	1.153	1.102	-	4.4	20	136	0
Benzo(ghi)perylene	1.08	1.052	-	2.6	20	139	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: CHA Companies		Lab Number	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		Project Number	: 060017	
Instrument ID	: SV107		Calibration Date	: 10/28/24 14:20	
Lab File ID	: ABN1028		Init. Calib. Date(s)	: 07/30/24	07/31/24
Sample No	: WG1990038-3		Init. Calib. Times	: 19:25	07:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	102	0
n-Nitrosodimethylamine	0.71	0.786	-	-10.7	20	113	0
Pyridine	1.086	1.146	-	-5.5	20	98	0
2-Fluorophenol	1.08	1.211	-	-12.1	20	114	0
Aniline	1.765	1.791	-	-1.5	20	112	0
2-Chlorophenol	1.294	1.286	-	0.6	20	107	0
Phenol-d6	1.413	1.491	-	-5.5	20	115	0
Phenol	1.566	1.603	-	-2.4	20	113	0
Bis(2-chloroethyl)ether	1.247	1.256	-	-0.7	20	115	0
1,3-Dichlorobenzene	1.587	1.533	-	3.4	20	107	0
1,4-Dichlorobenzene	1.599	1.539	-	3.8	20	107	0
1,2-Dichlorobenzene	1.562	1.462	-	6.4	20	105	0
Benzyl alcohol	1.01	1.079	-	-6.8	20	120	0
Bis(2-chloroisopropyl)ethe	1.617	1.866	-	-15.4	20	131	0
2-Methylphenol	1.126	1.103	-	2	20	113	0
Hexachloroethane	0.563	0.595	-	-5.7	20	112	0
n-Nitrosodi-n-propylamine	0.862	0.895	-	-3.8	20	118	0
3-Methylphenol/4-Methylphe	1.241	1.184	-	4.6	20	111	0
Nitrobenzene-d5	1.368	1.376	-	-0.6	20	114	0
Nitrobenzene	1.312	1.417	-	-8	20	120	0
Isophorone	2.344	2.335	-	0.4	20	113	0
2-Nitrophenol	0.667	0.683	-	-2.4	20	118	0
2,4-Dimethylphenol	1.081	1.162	-	-7.5	20	179	0
Bis(2-chloroethoxy)methane	1.585	1.53	-	3.5	20	114	0
2,4-Dichlorophenol	1.18	1.118	-	5.3	20	107	0
1,2,4-Trichlorobenzene	1.405	1.322	-	5.9	20	109	0
IS1_Naphthalene-d8	1	1	-	0	20	93	0
Naphthalene	1.132	1.122	-	0.9	20	105	0
Benzoic Acid	5	6.041	-	-20.8*	20	137	0
4-Chloroaniline	0.126	0.145	-	-15.1	20	111	0
Hexachlorobutadiene	0.224	0.267	-	-19.2	20	121	0
p-Chloro-m-cresol	0.283	0.331	-	-17	20	119	0
2-Methylnaphthalene	0.737	0.71	-	3.7	20	100	0
1-Methylnaphthalene	0.238	0.271	-	-13.9	20	116	0
Hexachlorocyclopentadiene	0.212	0.265	-	-25*	20	124	0
2,4,6-Trichlorophenol	0.234	0.26	-	-11.1	20	110	0
2,4,5-Trichlorophenol	0.249	0.275	-	-10.4	20	108	0
2-Fluorobiphenyl	0.9	0.879	-	2.3	20	106	0
2-Chloronaphthalene	0.763	0.737	-	3.4	20	105	0
2-Nitroaniline	0.204	0.208	-	-2	20	107	0
1,4-Dinitrobenzene	0.11	0.11	-	0	20	114	0
1,3-Dinitrobenzene	0.129	0.12	-	7	20	106	0
Dimethyl phthalate	0.863	0.807	-	6.5	20	102	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: CHA Companies		Lab Number	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		Project Number	: 060017	
Instrument ID	: SV107		Calibration Date	: 10/28/24 14:20	
Lab File ID	: ABN1028		Init. Calib. Date(s)	: 07/30/24	07/31/24
Sample No	: WG1990038-3		Init. Calib. Times	: 19:25	07:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.132	1.102	-	2.7	20	104	0
2,6-Dinitrotoluene	0.169	0.178	-	-5.3	20	108	0
1,2-Dinitrobenzene	0.077	0.075	-	2.6	20	102	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	0.32	0.336	-	-5	20	101	0
Acenaphthene	1.138	1.133	-	0.4	20	104	0
2,4-Dinitrophenol	5	5.711	-	-14.2	20	151	0
Dibenzofuran	1.879	1.833	-	2.4	20	105	0
2,4-Dinitrotoluene	0.408	0.439	-	-7.6	20	110	0
4-Nitrophenol	0.253	0.293	-	-15.8	20	114	0
2,3,5,6-Tetrachlorophenol	0.341	0.415	-	-21.7*	20	115	0
2,3,4,6-Tetrachlorophenol	0.325	0.382	-	-17.5	20	107	0
Diethyl phthalate	1.327	1.392	-	-4.9	20	113	0
Fluorene	1.404	1.423	-	-1.4	20	106	0
4-Chlorophenyl phenyl ethe	0.713	0.709	-	0.6	20	105	0
4-Nitroaniline	0.32	0.308	-	3.8	20	96	0
4,6-Dinitro-o-cresol	5	5.399	-	-8	20	138	0
NDPA/DPA	1.166	1.187	-	-1.8	20	105	0
Azobenzene	1.226	1.412	-	-15.2	20	117	0
2,4,6-Tribromophenol	0.187	0.143	-	23.5*	20	79	0
4-Bromophenyl phenyl ether	0.385	0.383	-	0.5	20	105	0
Hexachlorobenzene	0.425	0.368	-	13.4	20	90	0
Pentachlorophenol	5	4.401	-	12	20	101	0
IS1_Phenanthrene-d10	1	1	-	0	20	93	0
Phenanthrene	1.151	1.174	-	-2	20	107	0
Anthracene	1.089	1.18	-	-8.4	20	110	0
Carbazole	0.994	1.032	-	-3.8	20	104	0
Di-n-butylphthalate	1.094	1.175	-	-7.4	20	115	0
Fluoranthene	1.261	1.239	-	1.7	20	101	0
Benzidine	5	4.736	-	5.3	20	121	0
Pyrene	1.372	1.356	-	1.2	20	102	0
4-Terphenyl-d14	0.946	0.846	-	10.6	20	95	0
Butyl benzyl phthalate	5	4.621	-	7.6	20	126	0
IS1_Chrysene-d12	1	1	-	0	20	93	0
Benzo(a)anthracene	1.453	1.436	-	1.2	20	100	0
3,3'-Dichlorobenzidine	5	4.285	-	14.3	20	98	0
Chrysene	1.403	1.382	-	1.5	20	100	0
Bis(2-ethylhexyl)phthalate	5	5.657	-	-13.1	20	124	0
Di-n-octylphthalate	5	5.313	-	-6.3	20	136	0
Benzo(b)fluoranthene	1.251	1.217	-	2.7	20	94	0
Benzo(k)fluoranthene	1.251	1.135	-	9.3	20	83	0
Benzo(a)pyrene	1.101	1.065	-	3.3	20	89	0
IS1_Perylene-d12	1	1	-	0	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: CHA Companies		Lab Number	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		Project Number	: 060017	
Instrument ID	: SV107		Calibration Date	: 10/28/24 14:20	
Lab File ID	: ABN1028		Init. Calib. Date(s)	: 07/30/24	07/31/24
Sample No	: WG1990038-3		Init. Calib. Times	: 19:25	07:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.098	1.088	-	0.9	20	78	0
Dibenzo(a,h)anthracene	1.056	1.073	-	-1.6	20	78	0
Benzo(ghi)perylene	0.977	1.028	-	-5.2	20	77	0

* Value outside of QC limits.

SVOC SIM Data Section

[redacted]

QA/QC Review of Method 8270E SIM Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2462016

9 Ground Water Samples and 1 Field Duplicate
Collected October 23-24, 2024

Prepared by: Donald Anné
December 4, 2024

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for dibenzo(a,h)anthracene was above the allowable maximum (20%) on 10-28-24 (WG1989778-3). The %Ds for pentachlorophenol, indeno(1,2,3-cd))pyrene, and dibenzo(a,h)anthracene were above the allowable maximum (20%) on 10-29-24 (WG1990388-3). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of three acid extractable surrogate recoveries for sample MW-2-20241023 was below control limits, but not below 10%. No action is taken on one surrogate recovery per fraction outside control limits, provided no recovery is less than 10%.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-103B-20241023.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum, but 1 of 2 percent recoveries for indeno(1,2,3-cd)pyrene was above QC limits for aqueous samples WG1989658-2/3. Positive results for indeno(1,2,3-cd)pyrene should be considered estimated, biased high (J+) in associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-103-20241023/DUP-1-20241023 reported target compounds either as not detected or below the lowest standard; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compound and surrogate results were within GC/MS quantitation limits.

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: CHA Companies
Project Name: FRIEDRICHSOHN OCT 2024

Lab Number: L2462016
Project Number: 060017
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-100-20241024 (L2462016-01)	32	21	105	82	86	96	0
MW-101B-20241024 (L2462016-02)	67	50	107	82	113	91	0
MW-102-20241024 (L2462016-03)	45	28	103	84	91	102	0
MW-102B-20241024 (L2462016-04)	68	50	116	93	121*	111	1
MW-103-20241023 (L2462016-05)	39	37	108	90	76	99	0
MW-103B-20241023 (L2462016-06)	50	38	105	86	90	93	0
MW-104-20241023 (L2462016-07)	37	34	104	89	73	96	0
DUP-1-20241023 (L2462016-08)	39	35	110	96	79	104	0
MW-2-20241023 (L2462016-09)	13*	20	110	97	25	99	1
WC-1-20241024 (L2462016-10)	57	39	105	83	116	95	0
WG1989658-1BLANK	53	39	103	89	92	92	0
WG1989658-2LCS	55	42	96	80	92	90	0
WG1989658-3LCSD	60	48	108	91	102	99	0
MW-103B-20241023MS	57	44	105	85	99	89	0
MW-103B-20241023MSD	53	42	97	75	88	80	0

QC LIMITS

(21-120)	2FP = 2-FLUOROPHENOL
(10-120)	PHL = PHENOL-D6
(23-120)	NBZ = NITROBENZENE-D5
(15-120)	FBP = 2-FLUOROBIPHENYL
(10-120)	TBP = 2,4,6-TRIBROMOPHENOL
(41-149)	TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

FORM II NYTCL-8270-SIM-RVT

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: CHA Companies	Lab Number	: L2462016
Project Name	: FRIEDRICHSOHN OCT 2024	Project Number	: 060017
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1989658-2	Analysis Date : 10/28/24 14:23	File ID : 989658-2
LCSD Sample ID	: WG1989658-3	Analysis Date : 10/28/24 14:39	File ID : 989658-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	17	84	20	19	95	12	40-140	40
2-Chloronaphthalene	20	16	78	20	18	90	14	40-140	40
Fluoranthene	20	18	90	20	20	102	13	40-140	40
Hexachlorobutadiene	20	12	59	20	14	70	17	40-140	40
Naphthalene	20	14	70	20	16	81	15	40-140	40
Benzo(a)anthracene	20	20	100	20	23	115	14	40-140	40
Benzo(a)pyrene	20	21	106	20	24	120	12	40-140	40
Benzo(b)fluoranthene	20	21	106	20	24	121	13	40-140	40
Benzo(k)fluoranthene	20	20	103	20	22	112	8	40-140	40
Chrysene	20	20	98	20	22	113	14	40-140	40
Acenaphthylene	20	17	86	20	20	102	17	40-140	40
Anthracene	20	19	94	20	22	109	15	40-140	40
Benzo(ghi)perylene	20	19	95	20	26	131	32	40-140	40
Fluorene	20	18	90	20	20	102	13	40-140	40
Phenanthrene	20	18	91	20	21	105	14	40-140	40
Dibenzo(a,h)anthracene	20	20	102	20	27	136	29	40-140	40
Indeno(1,2,3-cd)pyrene	20	21	105	20	28	142 Q	30	40-140	40
Pyrene	20	17	87	20	20	98	12	40-140	40
2-Methylnaphthalene	20	16	78	20	18	90	14	40-140	40
Pentachlorophenol	20	20	98	20	16	81	19	40-140	40
Hexachlorobenzene	20	18	90	20	21	104	14	40-140	40
Hexachloroethane	20	12	61	20	15	73	18	40-140	40

Calibration Verification Summary
Form 7
Semivolatiles

Client	: CHA Companies		Lab Number	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		Project Number	: 060017	
Instrument ID	: SV120		Calibration Date	: 10/28/24 07:02	
Lab File ID	: CCV1028A		Init. Calib. Date(s)	: 09/25/24	09/25/24
Sample No	: WG1989778-3		Init. Calib. Times	: 00:46	03:18
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	86	0
2-Fluorophenol	1.106	1.158	.05	-4.7	20	90	0
Phenol-d6	1.298	1.461	.05	-12.6	20	95	0
Bis(2-chloroethyl)ether	1.138	1.165	.05	-2.4	20	91	0
n-nitrosodi-n-propylamine	0.77	0.878	.05	-14	20	98	0
Hexachloroethane	0.49	0.511	.05	-4.3	20	92	0
Nitrobenzene-d5	1.097	1.314	.05	-19.8	20	99	0
Naphthalene-d8	1	1	.05	0	20	88	0
Naphthalene	0.997	0.981	.05	1.6	20	92	0
Hexachlorobutadiene	0.191	0.189	.05	1	20	91	0
2-Methylnaphthalene	0.627	0.684	.05	-9.1	20	97	0
1-Methylnaphthalene	0.605	0.628	.05	-3.8	20	96	0
2-Fluorobiphenyl	0.759	0.784	.05	-3.3	20	94	0
2-Chloronaphthalene	0.654	0.678	.05	-3.7	20	93	0
2,6-Dinitrotoluene	1000	1060.162	.05	-6	20	101	0
Acenaphthylene	0.951	1.056	.05	-11	20	97	0
Acenaphthene-d10	1	1	.05	0	20	90	0
Acenaphthene	1.195	1.232	.05	-3.1	20	96	0
2,4-Dinitrotoluene	1000	1097.668	.05	-9.8	20	105	0
Fluorene	1.32	1.396	.05	-5.8	20	96	0
2,4,6-Tribromophenol	0.179	0.199	.05	-11.2	20	91	0
Phenanthrene-d10	1	1	.05	0	20	92	0
4,6-Dinitro-o-cresol	1000	1026.382	.05	-2.6	20	104	0
Hexachlorobenzene	0.23	0.228	.05	0.9	20	94	0
Pentachlorophenol	1000	1035.183	.05	-3.5	20	91	0
Phenanthrene	1.007	1.033	.05	-2.6	20	97	0
Anthracene	0.988	1.056	.05	-6.9	20	99	0
Fluoranthene	1.166	1.238	.05	-6.2	20	98	0
Pyrene	1.233	1.317	.05	-6.8	20	99	0
4-Terphenyl-d14	0.701	0.765	.05	-9.1	20	101	0
Chrysene-d12	1	1	.05	0	20	86	0
Benzo[a]anthracene	1000	1087.711	.05	-8.8	20	95	0
3,3'-Dichlorobenzene	0.428	0.513	.05	-19.9	20	100	0
Chrysene	1.133	1.244	.05	-9.8	20	92	0
Bis(2-ethylhexyl)phthalate	1000	1170.494	.05	-17	20	114	0
Perylene-d12	1	1	.05	0	20	80	0
Benzo[b]fluoranthene	1.104	1.325	.05	-20	20	92	0
Benzo[k]fluoranthene	1.084	1.171	.05	-8	20	86	0
Benzo[a]pyrene	0.946	1.12	.05	-18.4	20	89	0
Indeno[1,2,3-cd]pyrene	0.93	1.11	.05	-19.4	20	89	0
Dibenzo[a,h]anthracene	0.879	1.056	.05	-20.1*	20	90	0
Benzo[g,h,i]perylene	0.943	1.057	.05	-12.1	20	86	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: CHA Companies		Lab Number	: L2462016	
Project Name	: FRIEDRICHSOHN OCT 2024		Project Number	: 060017	
Instrument ID	: SV125		Calibration Date	: 10/29/24 09:46	
Lab File ID	: CCV1029A		Init. Calib. Date(s)	: 10/07/24	10/07/24
Sample No	: WG1990388-3		Init. Calib. Times	: 14:18	16:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	81	0
2-Fluorophenol	0.955	1.073	.05	-12.4	20	92	0
Phenol-d6	1.174	1.332	.05	-13.5	20	92	0
Bis(2-chloroethyl)ether	1.091	1.106	.05	-1.4	20	86	0
n-nitrosodi-n-propylamine	0.751	0.834	.05	-11.1	20	89	0
Hexachloroethane	0.458	0.476	.05	-3.9	20	86	0
Nitrobenzene-d5	1	1.215	.05	-21.5*	20	96	0
Naphthalene-d8	1	1	.05	0	20	88	0
Naphthalene	1.014	0.981	.05	3.3	20	91	0
Hexachlorobutadiene	0.218	0.194	.05	11	20	83	0
2-Methylnaphthalene	0.684	0.709	.05	-3.7	20	94	0
1-Methylnaphthalene	0.636	0.654	.05	-2.8	20	94	0
2-Fluorobiphenyl	0.879	0.857	.05	2.5	20	90	0
2-Chloronaphthalene	0.75	0.724	.05	3.5	20	88	0
2,6-Dinitrotoluene	0.147	0.174	.05	-18.4	20	102	0
Acenaphthylene	1.036	1.118	.05	-7.9	20	92	0
Acenaphthene-d10	1	1	.05	0	20	87	0
Acenaphthene	1.205	1.214	.05	-0.7	20	92	0
2,4-Dinitrotoluene	0.306	0.383	.05	-25.2*	20	103	0
Fluorene	1.331	1.389	.05	-4.4	20	92	0
2,4,6-Tribromophenol	0.189	0.249	.05	-31.7*	20	103	0
Phenanthrene-d10	1	1	.05	0	20	85	0
4,6-Dinitro-o-cresol	1000	1086.934	.05	-8.7	20	102	0
Hexachlorobenzene	0.245	0.229	.05	6.5	20	84	0
Pentachlorophenol	1000	1209.119	.05	-20.9*	20	103	0
Phenanthrene	1.009	1.026	.05	-1.7	20	92	0
Anthracene	0.964	1.046	.05	-8.5	20	93	0
Fluoranthene	1.186	1.315	.05	-10.9	20	96	0
Pyrene	1.244	1.419	.05	-14.1	20	97	0
4-Terphenyl-d14	0.835	0.957	.05	-14.6	20	100	0
Chrysene-d12	1	1	.05	0	20	88	0
Benzo[a]anthracene	1000	1109.721	.05	-11	20	96	0
3,3'-Dichlorobenzene	0.403	0.469	.05	-16.4	20	99	0
Chrysene	1.069	1.2	.05	-12.3	20	94	0
Bis(2-ethylhexyl)phthalate	1000	1198.327	.05	-19.8	20	121	0
Perylene-d12	1	1	.05	0	20	79	0
Benzo[b]fluoranthene	1.018	1.193	.05	-17.2	20	91	0
Benzo[k]fluoranthene	0.967	1.097	.05	-13.4	20	83	0
Benzo[a]pyrene	0.844	1.001	.05	-18.6	20	86	0
Indeno[1,2,3-cd]pyrene	0.888	1.075	.05	-21.1*	20	91	0
Dibenzo[a,h]anthracene	0.828	1.025	.05	-23.8*	20	90	0
Benzo[g,h,i]perylene	0.88	1.04	.05	-18.2	20	88	0

* Value outside of QC limits.

PCB Data Section

QA/QC Review of 8082A PCB Data
for Alpha Analytical Labs
SDG Number: L2462016

9 Ground Water Samples and 1 Field Duplicate
Collected October 23-24, 2024

Prepared by: Donald Anné
December 4, 2024

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: One of two surrogate recoveries for sample MW-104-20241023 was above QC limits on one column. No action is taken on one surrogate recovery outside QC limits on one column, provided the recovery is not less than 10%.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits for aqueous MS/MSD sample MW-103B-20241023.

Laboratory Control Sample: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits for aqueous samples WG1990408-2/3.

Field Duplicates: The relative percent difference for aroclor 1242 was below the allowable maximum (20%) for aqueous field duplicate pair MW-103-20241023/DUP-1-20241023 (attached table), as required.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for aroclor 1016 and aroclor 1260 were below the allowable maximum (20%) for both columns, as required

PCB Identification Summary: Checked surrogate and aroclor results were within quantitation limits. The RPDs for dual column quantitation of aroclor 1242 in samples MW-103B-20241023 and WC-1-20241024 were above the allowable maximum (25%), but not above 70% and the higher results were reported. Positive results for aroclor 1242 should be considered estimated, biased high (J+) in the samples.

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Surrogate Recovery Summary
Form 2
PCBs

Client: CHA Companies
Project Name: FRIEDRICHSOHN OCT 2024

Lab Number: L2462016
Project Number: 060017
Matrix: Water

GC Column 1: CLP-Pesticide
GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-100-20241024 (L2462016-01)	70	66	72	66			0
MW-101B-20241024 (L2462016-02)	59	58	64	60			0
MW-102-20241024 (L2462016-03)	64	65	71	66			0
MW-102B-20241024 (L2462016-04)	71	70	73	67			0
MW-103-20241023 (L2462016-05)	75	75	64	61			0
MW-103B-20241023 (L2462016-06)	69	68	69	63			0
MW-104-20241023 (L2462016-07)	150	167*	124	124			1
DUP-1-20241023 (L2462016-08)	77	84	66	70			0
MW-2-20241023 (L2462016-09)	72	71	79	71			0
WC-1-20241024 (L2462016-10)	75	77	79	73			0
WG1990408-1BLANK	53	54	73	60			0
WG1990408-2LCS	67	63	68	63			0
WG1990408-3LCSD	71	64	74	62			0
MW-103B-20241023MS	66	66	66	63			0
MW-103B-20241023MSD	72	67	71	65			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

Identification Summary
Form 10
PCBs

Client	:	CHA Companies	Lab Number	:	L2462016
Project Name	:	FRIEDRICHSOHN OCT 2024	Project Number	:	060017
Lab Sample ID	:	L2462016-06			
Client ID	:	MW-103B-20241023			
Date Analyzed (1)	:	10/30/24 14:12	Date Analyzed (2)	:	10/30/24 14:12
Instrument ID (1)	:	PEST2	Instrument ID (2)	:	PEST2
GC Column (1)	:	CLP-Pesticide	GC Column (2)	:	CLP-PesticideII

			RT Window			Mean	
Analyte	Peak	RT	From	To	Concentration	Concentration	%RPD
AROCLOR 1242	1	1.59	1.53	1.63	50.3		
	2	0.00	1.68	1.78	0.		
COLUMN 1	3	1.91	1.86	1.96	13.		
	4	1.96	1.92	2.02	15.8		
	5	2.32	2.27	2.37	3.66	0.148	
	1	1.80	1.75	1.85	53.		
	2	0.00	1.92	2.02	0.		
COLUMN 2	3	2.17	2.12	2.22	16.3		
	4	2.23	2.18	2.28	33.6		
	5	2.62	2.56	2.66	6.58	0.195	27

Identification Summary
Form 10
PCBs

Client	:	CHA Companies	Lab Number	:	L2462016
Project Name	:	FRIEDRICHSOHN OCT 2024	Project Number	:	060017
Lab Sample ID	:	L2462016-10			
Client ID	:	WC-1-20241024			
Date Analyzed (1)	:	10/30/24 15:08	Date Analyzed (2)	:	10/30/24 15:08
Instrument ID (1)	:	PEST2	Instrument ID (2)	:	PEST2
GC Column (1)	:	CLP-Pesticide	GC Column (2)	:	CLP-PesticideII

Analyte	Peak	RT	RT Window From	RT Window To	Concentration	Mean Concentration	%RPD
AROCLOR 1242	1	1.59	1.53	1.63	12.		
	2	0.00	1.68	1.78	0.		
COLUMN 1	3	1.91	1.86	1.96	6.07		
	4	1.98	1.92	2.02	7.76		
	5	2.32	2.27	2.37	2.24	0.0501	
	1	1.80	1.75	1.85	18.3		
	2	0.00	1.92	2.02	0.		
COLUMN 2	3	2.17	2.12	2.22	8.63		
	4	2.23	2.18	2.28	5.96		
	5	2.61	2.56	2.66	5.66	0.0689J	32

Metals Data Section

[redacted]

QA/QC Review of Metals Data
for Alpha Analytical Labs
SDG Number: L2462016

9 Ground Water Samples and 1 Field Duplicate
Collected October 23-24, 2024

Prepared by: Donald Anné
December 4, 2024

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Blanks: The analyses of initial and continuing calibration and method blanks reported target metals as either not detected or below the reporting limits, as required. Rinse

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for applicable total target metals and dissolved iron were within control limits (75-125%) for aqueous MS/MSD sample MW-103B-20241023.

Laboratory Duplicates: The relative percent differences for total TAL metals and dissolved iron were below the allowable maximum (20%) for aqueous MS/MSD sample MW-103B-20241023, as required.

Field Duplicates: The relative percent differences for applicable metals were below the allowable maximum (20%) for dissolved and total aqueous field duplicate pair MW-103-20241023/DUP-1-20241023 (attached table), as required.

Laboratory Control Sample: The percent recoveries for target metals were within control limits for aqueous samples WG1989535-2, WG1990370-2, and WG1990371-2.

Serial Dilution: The %Ds for applicable metals were below the allowable maximum (10%) for aqueous serial dilution sample MW-103B-20241023, as required.

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Total vs Dissolved: The dissolved iron results for samples MW-101B-20241024 and MW-103B-20241023 were greater than the total results plus 10%. Positive total and dissolved iron results should be considered estimated (J) in samples MW-101B-20241024 and MW-103B-20241023.

General Chemistry
Data Section

QA/QC Review of Alkalinity Data for
Alpha Analytical Labs, SDG Number: L2462016

8 Ground Water Samples and 1 Field Duplicate
Collected October 23-24, 2024

Prepared by: Donald Anné
December 4, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported alkalinity as not detected.

Spike Sample Recovery: The percent recovery for alkalinity was within QC limits (86-116%) for aqueous spike sample MW-103B-20241023.

Laboratory Duplicates: The relative percent difference for alkalinity was below the allowable maximum (20%) for aqueous duplicate sample MW-103B-20241023, as required.

Field Duplicates: The relative percent difference for alkalinity was below the allowable maximum (20%) for aqueous field duplicate pair MW-103-20241023/DUP-1-20241023 (attached table), as required.

Laboratory Control Sample: The percent recovery for alkalinity was within QC limits (90-110%) for aqueous sample WG1990489-2.

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QA/QC Review of Ammonia Data for
Alpha Analytical Labs, SDG Number: L2462016

8 Ground Water Samples and 1 Field Duplicate
Collected October 23-24, 2024

Prepared by: Donald Anné
December 4, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported ammonia as not detected.

Spike Sample Recovery: The percent recovery for ammonia was within QC limits (90-110%) for aqueous spike sample MW-103B-20241023.

Laboratory Duplicates: The relative percent difference for ammonia was below the allowable maximum (20%) for aqueous duplicate sample MW-103B-20241023, as required.

Field Duplicates: The relative percent difference for ammonia was below the allowable maximum (20%) for aqueous field duplicate pair MW-103-20241023/DUP-1-20241023 (attached table), as required.

Laboratory Control Sample: The percent recoveries for ammonia were within QC limits (90-110%) for aqueous samples WG1990736-2 and WG1991093-2.

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QA/QC Review of Nitrate Data for
Alpha Analytical Labs, SDG Number: L2462016

8 Ground Water Samples and 1 Field Duplicate
Collected October 23-24, 2024

Prepared by: Donald Anné
December 4, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported nitrate as either as not detected or below the RL.

Spike Sample Recovery: The percent recovery for nitrate was within QC limits (83-113%) for aqueous spike sample MW-103B-20241023.

Laboratory Duplicates: The relative percent difference for nitrate was below the allowable maximum (20%) for aqueous batch duplicate sample WG1988875-3, as required.

Field Duplicates: The analyses of aqueous field duplicate pair MW-103-20241023/DUP-1-20241023 reported nitrate as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The percent recovery for nitrate was within QC limits (90-110%) for aqueous sample WG1988875-3.

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QA/QC Review of Reactive Cyanide and Sulfide Data for
Alpha Analytical Labs, SDG Number: L2462016

1 Ground Water Sample
Collected October 24, 2024

Prepared by: Donald Anné
December 4, 2024

Holding Times: The sample was analyzed within USEPA SW 846 holding times.

Blanks: The analyses of the method blanks reported reactive cyanide and sulfide as not detected.

Laboratory Duplicates: The analyses of aqueous batch duplicate samples WG1990091-3 and WG1990090-3 were acceptable.

Laboratory Control Sample: The percent recoveries for reactive sulfide and cyanide were within QC limits for aqueous samples WG1990091-2 and WG1990090-2.

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QA/QC Review of Sulfate Data for
Alpha Analytical Labs, SDG Number: L2462016

8 Ground Water Samples and 1 Field Duplicate
Collected October 23-24, 2024

Prepared by: Donald Anné
December 4, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported sulfate as not detected.

Spike Sample Recovery: The percent recovery for sulfate was within QC limits (55-147%) for aqueous spike sample MW-103B-20241023.

Laboratory Duplicates: The analysis of aqueous duplicate sample MW-103B-20241023 was acceptable.

Field Duplicates: The analyses of aqueous field duplicate pair MW-103-20241023/DUP-1-20241023 reported sulfate as below the lowest standard; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The percent recoveries for sulfate were within QC limits (90-110%) for aqueous samples WG1990317-2 and WG1990874-2.

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TOC Data Section

QA/QC Review of Total Organic Carbon Data (TOC) for
Alpha Analytical Labs, SDG Number: L2462016

8 Ground Water Samples and 1 Field Duplicate
Collected October 23-24, 2024

Prepared by: Donald Anné
December 4, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported TOC as either not detected or below the RL.

Spike Sample Recovery: The percent recovery for TOC was within QC limits (80-120%) for aqueous spike sample MW-103B-20241023.

Laboratory Duplicates: The relative percent difference for TOC was below the allowable maximum (20%) for aqueous duplicate sample MW-103B-20241023, as required.

Field Duplicates: The relative percent difference for TOC was below the allowable maximum (20%) for aqueous field duplicate pair MW-103-20241023/DUP-1-20241023 (attached table), as required.

Laboratory Control Sample: The percent recovery for TOC was within QC limits (90-110%) for aqueous sample WG1990152-2.

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Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2462016

S1= MW-103-20241023 **S2=** DUP-1-20241023

Analyte	S1	S2	RPD (%)
Chlorobenzene	3.8	3.4	11%
1,2-Dichloroethane	**0.13**	ND	NC
Vinyl chloride	**0.35**	**0.24**	NC

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

Semi-Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2462016

S1= MW-103-20241023 **S2=** DUP-1-20241023

Analyte	S1	S2	RPD (%)
Acenaphthene (SIM)	**0.05**	**0.05**	NC
Naphthalene (SIM)	**0.06**	ND	NC
Benzo(ghi)perylene	**0.06**	ND	NC
Dibenzo(a,h)anthracene	**0.05**	ND	NC
Indeno(1,2,3-cd)pyrene	**0.06**	ND	NC
Pentachlorophenol (SIM)	**0.07**	ND	NC

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

PCBs

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2462016

S1= MW-103-20241023 **S2=** DUP-1-20241023

Analyte	S1	S2	RPD (%)
Aroclor 1016	ND	ND	NC
Aroclor 1221	ND	ND	NC
Aroclor 1232	ND	ND	NC
Aroclor 1248	ND	ND	NC
Aroclor 1254	ND	ND	NC
Aroclor 1260	ND	ND	NC
Aroclor 1262	ND	ND	NC
Aroclor 1268	ND	ND	NC
Aroclor 1242	1.33	1.42	7%
PCBs, Total	1.33	1.42	7%

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

General Chemistries

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2462016

S1= MW-103-20241023 **S2=** DUP-1-20241023

Analyte	S1	S2	RPD (%)
Nitrogen, Ammonia	1.15	1.08	6%
Nitrogen, Nitrate	ND	ND	NC
Total Organic Carbon	4.6	4.8	4%
Sulfate	**1.7**	**1.4**	NC
Alkalinity, Total	241	235	3%

* RPD is above the allowable maximum 20%.

Results are in units of mg/L.

Bold numbers were values that are below the RL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

TAL Metals

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2462016

S1= MW-103-20241023 **S2=** DUP-1-20241023

Analyte	S1	S2	RPD (%)
aluminum	**0.00489**	**0.00474**	NC
antimony	ND	ND	NC
arsenic	0.00919	0.00962	5%
barium	0.08126	0.08237	1%
beryllium	ND	ND	NC
cadmium	ND	ND	NC
calcium	30.9	31.6	2%
chromium	**0.00035**	**0.00029**	NC
cobalt	ND	ND	NC
copper	ND	ND	NC
iron	1.17	1.22	4%
lead	ND	ND	NC
magnesium	5.62	5.81	3%
manganese	1.908	1.958	3%
mercury	ND	ND	NC
nickel	ND	ND	NC
potassium	2.29	2.34	2%
selenium	ND	ND	NC
silver	ND	ND	NC
sodium	74.7	76.7	3%
thallium	ND	ND	NC
vanadium	ND	ND	NC
zinc	ND	ND	NC

* RPD is above the allowable maximum 20%.

Results are in units of mg/L.

Bold numbers were values that are below the CRDL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

Iron

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2462016

S1= MW-103-20241023 **S2=** DUP-1-20241023

Analyte	S1	S2	RPD (%)
iron (dissolved)	1.22	1.23	1%

* RPD is above the allowable maximum 20%.

Results are in units of mg/L.

Bold numbers were values that are below the CRDL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.