

PCI

Professional Consulting, Ilc.
Consulting Engineers



New Jersey:

Octagon 10 Office Center
1719 Route 10, Suite 225
Parsippany, NJ 07054

New York:

152 Brady Avenue
Hawthorne, NY 10532

Phone:

973.683.0044

Fax:

973.683.0077

Email:

general.info@pci-engineers.com

Web:

www.pci-engineers.com



VILLAGE OF TARRYTOWN
WESTCHESTER COUNTY, NEW YORK

2022 Annual Water Quality Report
(SUPPLEMENT)

Tarrytown Water District
PWS ID Number NY5903461

May 2023

Visit us online at:
www.pci-engineers.com

Table of Contents

| | |
|----------------------------------|----|
| Full Chemistry | 3 |
| SOCs & VOCs | 4 |
| Lead & Copper..... | 5 |
| Radiological Results | 6 |
| TTHMs & HAA5s | 7 |
| Pathogen Data | 8 |
| Turbidity & Total Coliform | 9 |
| Water Quality | 10 |
| Water Consumption | 11 |

FULL CHEMISTRY

Full chemistry monitoring is required once every calendar year at Village of Tarrytown entry point.


ANALYTICAL REPORT

Job Number: 420-231108-1

Job Description: Village of Tarrytown

For:
Village of Tarrytown
401 Neperan Road
Shaft 10
Tarrytown, NY 10591

Attention: Mr. Steve G Cowles



Mary Hernandez
Customer Service Manager
reports@envirotestlaboratories.com
08/23/2022

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified in the Certification Information section of this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories LLC certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative. All services performed by EnviroTest Laboratories LLC are subject to our Terms and Conditions available at Envirotestlabs/terms.com. As of 12/23/19, EnviroTest Laboratories LLC acquired substantially all of the lab and testing assets of EnviroTest Laboratories Inc, including its name.

EnviroTest Laboratories, LLC. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

Envirotest Laboratories

315 Fullerton Avenue, Newburgh, NY 12550
Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

METHOD SUMMARY

Client: Village of Tarrytown

Job Number: 420-231108-1

| Description | Lab Location | Method | Preparation Method |
|---|--------------|----------------------|----------------------|
| Matrix: Water | | | |
| ICP Metals by 200.7 | EnvTest | EPA 200.7 Rev 4.4 | |
| 200 Series Drinking Water Prep Determination Step | EnvTest | | EPA 200.7/200.8 |
| ICPMS Metals by 200.8 | EnvTest | EPA 200.8 Rev.5.4 | |
| 200 Series Drinking Water Prep Determination Step | EnvTest | | EPA 200.7/200.8 |
| Total Metals Digestion for 200.8 | EnvTest | | EPA 200.8 Rev.5.4 |
| Mercury in Water by CVAA | EnvTest | EPA 245.1 Rev.3.0 | |
| Digestion for CVAA Mercury in Waters | EnvTest | | EPA 245.1 |
| Anions by Ion Chromatography | EnvTest | EPA 300.0 Rev. 2.1 | |
| Anions by Ion Chromatography | EnvTest | EPA 300.0 Rev. 2.1 | |
| Field Sampling | EnvTest | EPA Field Sampling | |
| Alkalinity, Titration Method | EnvTest | SM22 SM 2320B--2011 | |
| Corrosivity LSI Calculation | EnvTest | SM20 SM 2330B-2016 | |
| Hardness by Calculation | EnvTest | SM20 SM 2340B-97,-11 | |
| Apparent Color | EnvTest | SM21 SM2120B-2011 | |
| Turbidity | EnvTest | SM21 SM2130B-2011 | |
| Odor, Threshold Test | EnvTest | SM20 SM2150B | |
| Conductivity, Specific Conductance | EnvTest | SM22 SM2510B-2011 | |
| Total Dissolved Solids (Dried at 180 °C) | EnvTest | SM22 SM2540C-2015 | |
| Cyanide, Total: Colorimetric Method | EnvTest | SM22 SM4500 CNE 2016 | |
| Cyanide: Distillation | EnvTest | | SM22 SM4500CNC-(-99) |
| Nitrite by Colormetric | EnvTest | SM22 SM4500 NO2 B-11 | |
| Chloride by Silver Nitrate Titration | EnvTest | SM22 SM4500CL-B-11, | |

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

SM20 = "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."

SM21 = "Standard Methods For The Examination Of Water And Wastewater", 21st Edition

SM22 = "Standard Methods for the Examination of Water and Wastewater", 22nd Edition

METHOD / ANALYST SUMMARY

Client: Village of Tarrytown

Job Number: 420-231108-1

| Method | Analyst | Analyst ID |
|----------------------|----------------|------------|
| EPA 200.7 Rev 4.4 | Cusack, Renee | RC |
| EPA 200.8 Rev.5.4 | Ratka, Angela | AR |
| EPA 245.1 Rev.3.0 | Bracco, Olivia | OB |
| SM20 SM 2340B-97,-11 | Cusack, Renee | RC |
| EPA Field Sampling | Rega, Louis | LR |
| EPA 300.0 Rev. 2.1 | Ratka, Angela | AR |
| SM22 SM 2320B--2011 | Alonzo, Lauren | LA |
| SM20 SM 2330B-2016 | Cusack, Renee | RC |
| SM21 SM2120B-2011 | An, Chulwoo | CA |
| SM21 SM2130B-2011 | An, Chulwoo | CA |
| SM20 SM2150B | An, Chulwoo | CA |
| SM22 SM2510B-2011 | Bracco, Olivia | OB |
| SM22 SM2540C-2015 | Oates, Kobe | KO |
| SM22 SM4500 CNE 2016 | Ratka, Angela | AR |
| SM22 SM4500 NO2 B-11 | Ratka, Angela | AR |
| SM22 SM4500CL-B-11, | Bracco, Olivia | OB |

SAMPLE SUMMARY

Client: Village of Tarrytown

Job Number: 420-231108-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|---------------|---------------------|----------------|----------------------|-----------------------|
| 420-231108-1 | Full Chemistry- POE | Drinking Water | 08/02/2022 0945 | 08/02/2022 1215 |

Mr. Steve G Cowles
Village of Tarrytown
401 Neperan Road
Shaft 10
Tarrytown, NY 10591

Job Number: 420-231108-1

Client Sample ID: Full Chemistry- POE
Lab Sample ID: 420-231108-1

Date Sampled: 08/02/2022 0945
Date Received: 08/02/2022 1215
Client Matrix: Drinking Water
Percent Solids:

| Analyte | Result/Qualifier | Unit | RL | Dilution |
|-------------------------------|------------------|---------|----|----------|
| Method: Field Sampling | | | | |
| Field pH | 7.57 | SU | | 1.0 |
| Field Temperature | 16 | Celsius | | 1.0 |

Date Analyzed: 08/02/2022 0945

Mr. Steve G Cowles
Village of Tarrytown
401 Neperan Road
Shaft 10
Tarrytown, NY 10591

Job Number: 420-231108-1

Client Sample ID: Full Chemistry- POE
Lab Sample ID: 420-231108-1

Date Sampled: 08/02/2022 0945
Date Received: 08/02/2022 1215
Client Matrix: Drinking Water

| Analyte | Result/Qualifier | Unit | MDL | RL | Dilution |
|---|------------------|------|--------|-------|----------|
| Method: 300.0 Rev. 2.1 Nitrate as N | 0.231 J | mg/L | 0.0300 | 0.250 | 1.0 |

Date Analyzed: 08/02/2022 1743

Mr. Steve G Cowles
Village of Tarrytown
401 Neperan Road
Shaft 10
Tarrytown, NY 10591

Job Number: 420-231108-1

Client Sample ID: Full Chemistry- POE
Lab Sample ID: 420-231108-1

Date Sampled: 08/02/2022 0945
Date Received: 08/02/2022 1215
Client Matrix: Drinking Water

| Analyte | Result/Qualifier | Unit | NONE | NONE | Dilution |
|---|------------------|------|--------------------------------|------|----------|
| Method: SM 2330B-2016 Langelier Index | -2.11 | NONE | Date Analyzed: 08/21/2022 1745 | | 1.0 |

Mr. Steve G Cowles
Village of Tarrytown
401 Neperan Road
Shaft 10
Tarrytown, NY 10591

Job Number: 420-231108-1

Client Sample ID: Full Chemistry- POE
Lab Sample ID: 420-231108-1

Date Sampled: 08/02/2022 0945
Date Received: 08/02/2022 1215
Client Matrix: Drinking Water

| Analyte | Result/Qualifier | Unit | RL | RL | Dilution |
|---------------------------------------|------------------|--------------------------------|-------|-------|----------|
| Method: 200.7 Rev 4.4 | | Date Analyzed: 08/09/2022 1803 | | | |
| Prep Method: 200.7/200.8 | | Date Prepared: 08/09/2022 1000 | | | |
| Calcium | 5720 | ug/L | 2500 | 2500 | 1.0 |
| Iron | <60.0 | ug/L | 60.0 | 60.0 | 1.0 |
| Magnesium | <2500 | ug/L | 2500 | 2500 | 1.0 |
| Sodium | 10000 | ug/L | 200 | 200 | 1.0 |
| Method: 200.8 Rev.5.4 | | Date Analyzed: 08/12/2022 1210 | | | |
| Silver | <1.00 | ug/L | 1.00 | 1.00 | 1.0 |
| Arsenic | <1.40 | ug/L | 1.40 | 1.40 | 1.0 |
| Beryllium | <0.300 | ug/L | 0.300 | 0.300 | 1.0 |
| Cadmium | <1.00 | ug/L | 1.00 | 1.00 | 1.0 |
| Chromium | <7.00 | ug/L | 7.00 | 7.00 | 1.0 |
| Copper | <10.0 | ug/L | 10.0 | 10.0 | 1.0 |
| Manganese | <10.0 | ug/L | 10.0 | 10.0 | 1.0 |
| Nickel | <0.500 | ug/L | 0.500 | 0.500 | 1.0 |
| Lead | <1.00 | ug/L | 1.00 | 1.00 | 1.0 |
| Antimony | <0.400 | ug/L | 0.400 | 0.400 | 1.0 |
| Thallium | <0.300 | ug/L | 0.300 | 0.300 | 1.0 |
| Zinc | <10.0 | ug/L | 10.0 | 10.0 | 1.0 |
| Barium | 15.3 | ug/L | 2.00 | 2.00 | 1.0 |
| Selenium | <2.00 | ug/L | 2.00 | 2.00 | 1.0 |
| Method: 245.1 Rev.3.0 | | Date Analyzed: 08/18/2022 1645 | | | |
| Prep Method: 245.1 | | Date Prepared: 08/05/2022 1430 | | | |
| Mercury | <0.200 | ug/L | 0.200 | 0.200 | 1.0 |
| Method: SM 2340B-97,-11 | | Date Analyzed: 08/21/2022 1729 | | | |
| Calcium hardness as calcium carbonate | 14.3 | mg/L | 6.25 | 6.25 | 1.0 |
| Total Hardness (as CaCO3) | <16.5 | mg/L | 16.5 | 16.5 | 1.0 |
| Method: 300.0 Rev. 2.1 | | Date Analyzed: 08/02/2022 1743 | | | |
| Sulfate | <5.00 | mg/L | 5.00 | 5.00 | 1.0 |
| Fluoride | 0.719 | mg/L | 0.500 | 0.500 | 1.0 |
| Method: SM 2320B--2011 | | Date Analyzed: 08/11/2022 0937 | | | |
| Alkalinity to pH 4.5 mg/l CaCO3 | 17.4 | mg/L | 5.00 | 5.00 | 1.0 |
| Method: SM2120B-2011 | | Date Analyzed: 08/02/2022 1339 | | | |
| Apparent Color | 5.00 | Pt-Co | 5.00 | 5.00 | 1.0 |
| pH@color measurement | 7.14 | SU | 2.00 | 2.00 | 1.0 |
| Method: SM2130B-2011 | | Date Analyzed: 08/02/2022 1340 | | | |
| Turbidity | 0.240 | NTU | 0.100 | 0.100 | 1.0 |

Mr. Steve G Cowles
 Village of Tarrytown
 401 Neperan Road
 Shaft 10
 Tarrytown, NY 10591

Job Number: 420-231108-1

Client Sample ID: Full Chemistry- POE
Lab Sample ID: 420-231108-1

Date Sampled: 08/02/2022 0945
 Date Received: 08/02/2022 1215
 Client Matrix: Drinking Water

| Analyte | Result/Qualifier | Unit | RL | RL | Dilution |
|-------------------------------------|------------------|-----------|----------------|-----------------|----------|
| Method: SM2150B | | | Date Analyzed: | 08/02/2022 1410 | |
| Odor | 1.00 | T.O.N. | 1.00 | 1.00 | 1.0 |
| Temp @ Odor Measurement | 60.0 | Degrees C | 5.00 | 5.00 | 1.0 |
| Method: SM2510B-2011 | | | Date Analyzed: | 08/04/2022 1051 | |
| Specific Conductance | 87.5 | umhos/cm | 2.00 | 2.00 | 1.0 |
| Method: SM2540C-2015 | | | Date Analyzed: | 08/04/2022 1605 | |
| Total Dissolved Solids | 1540 | mg/L | 5.00 | 5.00 | 1.0 |
| Method: SM4500 CNE 2016 | | | Date Analyzed: | 08/09/2022 1149 | |
| Prep Method: SM4500CNC-(-99) | | | Date Prepared: | 08/08/2022 1623 | |
| Cyanide, Total | <0.00500 | mg/L | 0.00500 | 0.00500 | 1.0 |
| Method: SM4500 NO2 B-11 | | | Date Analyzed: | 08/02/2022 1849 | |
| Nitrite as N | <0.0100 | mg/L | 0.0100 | 0.0100 | 1.0 |
| Method: SM4500CL-B-11, | | | Date Analyzed: | 08/10/2022 1633 | |
| Chloride | 13.4 | mg/L | 5.00 | 5.00 | 1.0 |

DATA REPORTING QUALIFIERS

Client: Village of Tarrytown

Job Number:

| Lab Section | Qualifier | Description |
|-------------------|-----------|--|
| General Chemistry | J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Certification Information

Client: Village of Tarrytown

Job Number:

The following analytes are Not Part of the ELAP scope of accreditation

Sulfur, Tungsten, Bicarbonate Alkalinity, 7 Day BOD 5210C, 28 Day BOD, Soluble BOD, Carbon Dioxide, Carbonate Alkalinity, CBOD Soluble, Chlorine, Cyanide (WAD), Ferrous Iron, Ferric Iron, Total Nitrogen, Total Organic Nitrogen, Dissolved Oxygen, pH, Solids (Fixed), Solids (Percent), Solids (Percent Moisture), Solids (Percent Volatile), Solids (Volatile Suspended), Temperature, TKN (Soluble), COD (Soluble), Total Inorganic Carbon, 2-Aminopyridine, 3-Picoline, 1-Methyl-2-pyrrilidinone, Aziridine, Dimethyl sulfoxide, 1-Chlorohexane, 1,2,4,5-Tetramethylbenzene, 4-Ethyl toluene, p-Diethylbenzene, Iron Bacteria, Salmonella, Sulfur Reducing Bacteria, & UOD (Ultimate Oxygen Demand).

The following analytes are Not Part of ELAP Potable Water scope of accreditation

Ammonia (SM 4500NH3G), Biochemical Oxygen Demand (SM 5210B), Chemical Oxygen Demand (EPA 410.4), Dissolved Oxygen (SM 4500 O C), TKN (351.2), Phosphorus (365.3), Nitrate-Nitrite (353.2), Settable Solids (SM 2540F), Total Suspended Solids (SM 2540 C), m-Xylene & p-Xylene (502.2, 524), o-Xylene (502.2, 524), Sulfide (SM4500SD), Acenaphthene (525.2), Acenaphthylene (525.2), Fluoranthene (525.2), Fluorene (525.2), Phenanthrene (525.2), Anthracene (525.2), Pyrene (525.2), Benzo[a]anthracene (525.2), Benzo[b]fluoranthene (525.2), Benzo[g,h,i]perylene (525.2), Benzo[k]fluoranthene (525.2), Indeno[1,2,3-cd]pyrene (525.2), & Dibenz(a,h)anthracene (525.2). Pyridine

The following analytes are Not Part of ELAP Solid and Hazardous Waste scope of accreditation

Ammonia (SM 4500NH3G), TKN (351.2), Phosphorus (365.3), 1,2-Dichloro-1,1,2-trifluoroethane (8260), & Chlorodifluoromethane (8260).

The following analytes are Not Part of ELAP Non Potable Water scope of accreditation

Dissolved Organic Carbon (5310C), Mecoprop (8151A), MCPA (8151A).

Definitions and Glossary

Client: Village of Tarrytown

Job Number:

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|--|
| %R | Percent Recovery |
| DL, RA, RE | Indicates a Dilution, Reanalysis or Reextraction. |
| EPA | United States Environmental Protection Agency |
| MDL | Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent. |
| ND | Not detected at the reporting limit (or MDL if shown). |
| QC | Quality Control |
| RL | Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. |
| RPD | Relative Percent Difference - a measure of the relative difference between two points |



CHAIN OF CUSTODY

REPORT# (Lab Use Only)

231108

Lab Name **EnviroTest Laboratories**
Address & Phone **315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890**

| | | | | | | | | | | | | | | | | | | | |
|--|--------|--|-----------------------------------|----------------|--------------------------|--|-------------------|--------------------------------|------|--------------------------|--|---------|------|------|--------------------------|--|-----------------|--|------|
| PROJECT REFERENCE Inorganics & Metals | | SPILL NO. | PROJECT LOCATION Effluent Pond | | MATRIX TYPE | | REQUIRED ANALYSES | | | | | | | | | | PAGE 1 of | 1 | |
| ENVIROTEST PROJECT MANAGER Joyce Esposito | | PIN NO. | CONTRACT NO. | | | | | | | | | | | | | | TURNAROUND TIME | | |
| CLIENT (SITE) PM Steve Cowles | | CLIENT PHONE 914-906-3224 | | CLIENT FAX | | | | | | | | | | | | | | NORMAL _____ | |
| CLIENT NAME Village of Tarrytown | | CLIENT ADDRESS Once per year (Entry Point) | | | | | | | | | | | | | | | | QUICK _____ | |
| CLIENT ADDRESS 401 Neperan Road Shaft 10 Tarrytown, NY 10591 | | | | | | | | | | | | | | | | | | VERBAL _____ | |
| COMPANY CONTRACTING THIS WORK (if applicable): | | | | | | | | | | | | | | | | | | #OF COOLERS | |
| SAMPLE | | SAMPLE IDENTIFICATION | | | | COMPOSITE (C) OR GRAB (G) INDICATE | | NUMBER OF CONTAINERS SUBMITTED | | | | | | | | | | REMARKS | |
| DATE | TIME | | | | | | | | | | | | | | | | | | |
| 8/2/22 | 9:45am | Full Chemistry - POE | | | | G | D | 4 | | | | | 1 | 1 | 2 | | | Color, Turb, Cond, Corr., TDS, Alk, Ca-Hard, | |
| | | | | | | | | | | | | | | | | | | Cl, Cn, F, T-Hard, NO2, NO3, Sulfate, | |
| | | | | | | | | | | | | | | | | | | Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Hg, Ni, Se, Ag | |
| | | | | | | | | | | | | | | | | | | Na, Ti, Zn, Odor | |
| | | | | | | | | | | | | | | | | | | Field Ph Field Temp 16° | |
| | | | | | | | | | | | | | | | | | | Initials/Date | |
| | | | | | | | | | | | | | | | | | | 7.57 | |
| | | | | | | | | | | | | | | | | | | 1.01 poy | |
| RELINQUISHED BY: (SIGNATURE) | | COMPANY | DATE | TIME | RECEIVED BY: (SIGNATURE) | | COMPANY | DATE | TIME | RECEIVED BY: (SIGNATURE) | | COMPANY | DATE | TIME | RECEIVED BY: (SIGNATURE) | | COMPANY | DATE | TIME |
| <i>Steph el Cab</i> | | Tarrytown | 8/2/22 | 12:15p | | | | | | | | | | | | | | | |
| <i>Steph el Cab</i> | | 11 | 8/2/22 | 9:45am | | | | | | | | | | | | | | | |
| RELINQUISHED BY: (SIGNATURE) | | COMPANY | DATE | TIME | RECEIVED BY: (SIGNATURE) | | COMPANY | DATE | TIME | RECEIVED BY: (SIGNATURE) | | COMPANY | DATE | TIME | RECEIVED BY: (SIGNATURE) | | COMPANY | DATE | TIME |
| | | | | | | | | | | | | | | | | | | | |
| NOTE: | | | | | | | | | | | | | | | | | | | |
| RECEIVED FOR LABORATORY BY: (SIGNATURE) | | DATE | TIME | CUSTODY INTACT | Cooler Temp: | LABORATORY REMARKS: ICE <input checked="" type="checkbox"/> pH _____ CL2 _____ Reveived by _____ | | | | | | | | | | | | | |
| <i>PN</i> | | 8/2/22 | 12:15 | YES NO | 0.1 | | | | | | | | | | | | | | |

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Village of Tarrytown

Job Number: 420-231108-1

Login Number: 231108

| Question | T/F/NA | Comment |
|--|--------|---------|
| Samples were collected by ETL employee as per SOP-SAM-1 | NA | |
| The cooler's custody seal, if present, is intact. | NA | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is recorded. | True | 0.1 C |
| Cooler Temp. is within method specified range.(0-4 C PW, 0-6 C NPW, or BAC <10 C | True | |
| If false, was sample received on ice within 6 hours of collection. | NA | |
| Based on above criteria cooler temperature is acceptable. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | NA | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |

SOCs & VOCs

Synthetic Organic Compounds (SOCs) and Volatile Organic Compounds (VOCs) completed once per year for all source water entry points

(Samples are collected and distributed by the Westchester County Water District)

Sample No. **AY19127**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT 18 - DEL AQU
WEST LAKE DR
VALHALLA, NY

Received By : KB JLM

Bottle No : K848 849 850 FB1367 Q4357
4354+ N524 33 66 P624 1248+
M2247 2246+

Collection Point : ENTRY POINT

Collected By : DELGADO

ID of Source : DELAQ

Collection Date : 10/24/2022 AT 9:34:00AM

Submitted On : 10/24/2022 AT 11:36:00AM

Agency : Westchester County Water Agency
432 Michealian Office Building
White Plains, NY 10601
Attn: Amanda Delgado

PWS No. : 5903488

Type Descriptor : 022

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

add'l Report To :

Comment :SOC/VOC

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Organics

Microextractables - 504.1

| | | | | | | | |
|-------|-----------------------------|-------|--|------|------|------------|--|
| 504.1 | 1,2-Dibromo-3-chloropropane | < LOQ | | ug/L | 0.01 | 11/04/2022 | |
| 504.1 | 1,2-Dibromoethane | < LOQ | | ug/L | 0.01 | 11/04/2022 | |

Pesticides - EPA 508

| | | | | | | | |
|-----|--------------------|--------------|--|------|------|------------|----|
| 508 | Aldrin | < LOQ | | ug/L | 0.05 | 10/28/2022 | RH |
| 508 | Chlordane | < LOQ | | ug/L | 0.20 | 10/28/2022 | RH |
| 508 | Dieldrin | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Endrin | < LOQ | | ug/L | 0.01 | 10/28/2022 | RH |
| 508 | Heptachlor | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Heptachlor Epoxide | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Lindane | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Methoxychlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 508 | PCB's - Screen | Not Analyzed | | ug/L | 0.10 | 10/28/2022 | RH |
| 508 | Propachlor | Not Analyzed | | ug/L | 0.04 | 10/28/2022 | RH |
| 508 | Toxaphene | < LOQ | | ug/L | 1.00 | 10/28/2022 | RH |

Note: Pesticide analysis performed by NYSDOH ELAP #11549 using EPA 505, Rev 2.1 (1995).

Surrogate 2,4,5,6-Tetrachloro-m-xylene recovered at 112%, within the +/-30% acceptance range. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method requirements. RWHJr

Herbicides - EPA 515.1

| | | | | | | | |
|-------|-------------------|-------|--|------|-----|------------|--|
| 515.1 | 2,4,5-TP (Silvex) | < LOQ | | ug/L | 0.2 | 11/07/2022 | |
| 515.1 | 2,4-D | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| 515.1 | Dalapon | < LOQ | | ug/L | 1 | 11/07/2022 | |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 2

These analytical results relate only to the sample identified in this report.

Sample No. **AY19127**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------------------------------------|----------------------------|---------|-----------|-------|--------|-------------|-----------|
| 515.1 | Dicamba | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| 515.1 | Dinoseb | < LOQ | | ug/L | 0.2 | 11/07/2022 | |
| 515.1 | Pentachlorophenol | < LOQ | | ug/L | 0.04 | 11/07/2022 | |
| 515.1 | Picloram | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| Organic Chemicals - EPA 525.2 | | | | | | | |
| 525.2 | Alachlor | < LOQ | | ug/L | 0.2 | 10/28/2022 | RH |
| 525.2 | Atrazine | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Benzo(a)pyrene | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 525.2 | bis(2-Ethylhexyl)adipate | < LOQ | | ug/L | 0.6 | 10/28/2022 | RH |
| 525.2 | bis(2-Ethylhexyl)phthalate | < LOQ | | ug/L | 0.6 | 10/28/2022 | RH |
| 525.2 | Butachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Hexachlorobenzene | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Hexachlorocyclopentadiene | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Metolachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Metribuzin | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| | Propachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Simazine | < LOQ | | ug/L | 0.07 | 10/28/2022 | RH |

Note: Semi-Volatile Organic Compounds by GC/MS analysis performed by NYSDOH ELAP #11549. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method requirements. RWHJr

Carbamate Pesticides - EPA 531.1

| | | | | | | | |
|-------|----------------------|-------|--|------|-----|------------|----|
| 531.1 | 3-Hydroxy Carbofuran | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Aldicarb | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Aldicarb sulfone | < LOQ | | ug/L | 0.8 | 11/21/2022 | RH |
| 531.1 | Aldicarb sulfoxide | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Carbaryl | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Carbofuran | < LOQ | | ug/L | 0.9 | 11/21/2022 | RH |
| 531.1 | Methomyl | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Oxamyl | < LOQ | | ug/L | 1.0 | 11/21/2022 | RH |

Note: Methylcarbamate Pesticides analysis performed by NYSDOH ELAP #11549 using EPA 531.2, Rev.1 (2001).

Surrogate 4-Bromo-3,5-dimethylphenyl-N-methylcarbamate recovered at 114%, within the +/-30% recovery limits. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr

Comments: Sample cannot be run for Volatile Organics \$524 due to an instrument malfunction. Client was notified. - JLM

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 2 of 2

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT 18 - DEL AQU
WEST LAKE DR
VALHALLA, NY

Received By : AG LG
Bottle No : K0908 09 10 FB1384

Collection Point : ENTRY POINT

ID of Source : DELAWARE AQUEDUCT

Agency : Westchester County Water Agency
432 Michealian Office Building
White Plains, NY 10601
Attn: Amanda Delgado

Collected By : DELGADO
Collection Date : 10/28/2022 AT 11:46:00AM
Submitted On : 10/28/2022 AT 12:28:00PM
PWS No. : 5903488
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : SOC/VOC RESAMPLE

addtl Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-----------------------------------|---------------------------|---------|-----------|-------|--------|-------------|-----------|
| Organics | | | | | | | |
| Volatile Organic Compounds | | | | | | | |
| EPA 524.2 | *THM-Bromodichloromethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | *THM-Bromoform | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | *THM-Chloroform | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | *THM-Dibromochloromethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,1,1- Trichloroethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,1,1,2-Tetrachloroethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,1,2,2-Tetrachloroethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,1,2-Trichloroethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloroethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloroethene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloropropene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,2,3-Trichlorobenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,2,3-Trichloropropane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,2,4-Trichlorobenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,2,4-Trimethylbenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichloroethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichloropropane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,3,5-Trimethylbenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,3-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 12/07/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 2

These analytical results relate only to the sample identified in this report.

Sample No. **AY19476**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-----------|-------------------------------|---------|-----------|-------|--------|-------------|-----------|
| EPA 524.2 | 1,3-Dichloropropane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 1,4-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 2,2-Dichloropropane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 2-Chlorotoluene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | 4-Chlorotoluene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Benzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Bromobenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Bromochloromethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Bromomethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Carbon tetrachloride | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Chlorobenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Chloroethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Chloromethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | cis-1,2-Dichloroethene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | cis-1,3-Dichloropropene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Dibromomethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Dichlorodifluoromethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Ethylbenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Hexachlorobutadiene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Isopropylbenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | MEK(not certified by NYSDOH) | < LOQ | | ug/L | 2.00 | 11/04/2022 | GZ2 |
| EPA 524.2 | Methyl tert-butyl ether | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Methylene Chloride | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | MIBK(not certified by NYSDOH) | < LOQ | | ug/L | 2.00 | 11/04/2022 | GZ2 |
| EPA 524.2 | Naphthalene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | N-Butylbenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | n-Propylbenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | o-Xylene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | p & m-Xylene | < LOQ | | ug/L | 1.00 | 11/04/2022 | GZ2 |
| EPA 524.2 | p-Isopropyltoluene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | sec-Butylbenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Styrene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | tert-Butylbenzene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Tetrachloroethene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Toluene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | trans-1,2-Dichloroethene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | trans-1,3-Dichloropropene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Trichloroethene | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Trichlorofluoromethane | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |
| EPA 524.2 | Vinyl chloride | < LOQ | | ug/L | 0.50 | 11/04/2022 | GZ2 |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 12/07/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 2 of 2

These analytical results relate only to the sample identified in this report.

Sample No. **AY19130**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CATSKILL SOUTH - CAT AQU

Received By : JLM

VALHALLA, NY

Bottle No : K851 852 853 FB1369 Q4351 4383

N57 526 48 P24 25+ M2244 2234+

Collection Point : E.P.

Collected By : DELGADO

ID of Source : CAT AQ

Collection Date : 10/24/2022 AT 11:55:00AM

Submitted On : 10/24/2022 AT 12:22:00PM

Agency : Westchester County Water Agency

PWS No. : 5903488

432 Michealian Office Building

Type Descriptor : 022

Source ID : 000

White Plains, NY 10601

Attn: Amanda Delgado

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

add'l Report To :

Comment :SOC/VOC

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Organics

Microextractables - 504.1

| | | | | | | | |
|-------|-----------------------------|-------|--|------|------|------------|--|
| 504.1 | 1,2-Dibromo-3-chloropropane | < LOQ | | ug/L | 0.01 | 11/04/2022 | |
| 504.1 | 1,2-Dibromoethane | < LOQ | | ug/L | 0.01 | 11/04/2022 | |

Pesticides - EPA 508

| | | | | | | | |
|-----|--------------------|--------------|--|------|------|------------|----|
| 508 | Aldrin | < LOQ | | ug/L | 0.05 | 10/28/2022 | RH |
| 508 | Chlordane | < LOQ | | ug/L | 0.20 | 10/28/2022 | RH |
| 508 | Dieldrin | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Endrin | < LOQ | | ug/L | 0.01 | 10/28/2022 | RH |
| 508 | Heptachlor | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Heptachlor Epoxide | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Lindane | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Methoxychlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 508 | PCB's - Screen | Not Analyzed | | ug/L | 0.10 | 10/28/2022 | RH |
| 508 | Propachlor | Not Analyzed | | ug/L | 0.04 | 10/28/2022 | RH |
| 508 | Toxaphene | < LOQ | | ug/L | 1.00 | 10/28/2022 | RH |

Note: Pesticide analysis performed by NYSDOH ELAP #11549 using EPA 505, Rev 2.1 (1995).

Surrogate 2,4,5,6-Tetrachloro-m-xylene recovered at 117%, within the +/-30% acceptance range. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method requirements. RWHJr

Herbicides - EPA 515.1

| | | | | | | | |
|-------|-------------------|-------|--|------|-----|------------|--|
| 515.1 | 2,4,5-TP (Silvex) | < LOQ | | ug/L | 0.2 | 11/07/2022 | |
| 515.1 | 2,4-D | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| 515.1 | Dalapon | < LOQ | | ug/L | 1 | 11/07/2022 | |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19130**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-----------------------------------|---------------------------|---------|-----------|-------|--------|-------------|-----------|
| 515.1 | Dicamba | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| 515.1 | Dinoseb | < LOQ | | ug/L | 0.2 | 11/07/2022 | |
| 515.1 | Pentachlorophenol | < LOQ | | ug/L | 0.04 | 11/07/2022 | |
| 515.1 | Picloram | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| Volatile Organic Compounds | | | | | | | |
| EPA 524.2 | *THM-Bromodichloromethane | 0.886 | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | *THM-Bromoform | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | *THM-Chloroform | 4.22 | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | *THM-Dibromochloromethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,1,1- Trichloroethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,1,1,2-Tetrachloroethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,1,2,2-Tetrachloroethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,1,2-Trichloroethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloroethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,2,3-Trichlorobenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,2,3-Trichloropropane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,2,4-Trichlorobenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,2,4-Trimethylbenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichloroethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,3,5-Trimethylbenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,3-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,3-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 1,4-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 2,2-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 2-Chlorotoluene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | 4-Chlorotoluene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Benzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Bromobenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Bromochloromethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Bromomethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Carbon tetrachloride | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Chlorobenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Chloroethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Chloromethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | cis-1,2-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | cis-1,3-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Dibromomethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 2 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19130**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------------------------------------|-------------------------------|---------|-----------|-------|--------|-------------|-----------|
| EPA 524.2 | Dichlorodifluoromethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Ethylbenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Hexachlorobutadiene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Isopropylbenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | MEK(not certified by NYSDOH) | < LOQ | | ug/L | 2.00 | 10/26/2022 | GZ2 |
| EPA 524.2 | Methyl tert-butyl ether | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Methylene Chloride | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | MIBK(not certified by NYSDOH) | < LOQ | | ug/L | 2.00 | 10/26/2022 | GZ2 |
| EPA 524.2 | Naphthalene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | N-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | n-Propylbenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | o-Xylene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | p & m-Xylene | < LOQ | | ug/L | 1.00 | 10/26/2022 | GZ2 |
| EPA 524.2 | p-Isopropyltoluene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | sec-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Styrene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | tert-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Tetrachloroethene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Toluene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | trans-1,2-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | trans-1,3-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Trichloroethene | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Trichlorofluoromethane | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| EPA 524.2 | Vinyl chloride | < LOQ | | ug/L | 0.50 | 10/26/2022 | GZ2 |
| Organic Chemicals - EPA 525.2 | | | | | | | |
| 525.2 | Alachlor | < LOQ | | ug/L | 0.2 | 10/28/2022 | RH |
| 525.2 | Atrazine | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Benzo(a)pyrene | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 525.2 | bis(2-Ethylhexyl)adipate | < LOQ | | ug/L | 0.6 | 10/28/2022 | RH |
| 525.2 | bis(2-Ethylhexyl)phthalate | < LOQ | | ug/L | 0.6 | 10/28/2022 | RH |
| 525.2 | Butachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Hexachlorobenzene | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Hexachlorocyclopentadiene | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Metolachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Metribuzin | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| | Propachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Simazine | < LOQ | | ug/L | 0.07 | 10/28/2022 | RH |

Note: Semi-Volatile Organic Compounds by GC/MS analysis performed by NYSDOH ELAP #11549. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method requirements. RWHJr

Carbamate Pesticides - EPA 531.1

| | | | | | | | |
|-------|----------------------|-------|--|------|-----|------------|----|
| 531.1 | 3-Hydroxy Carbofuran | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Aldicarb | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 3 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19130**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|--------------------|---------|-----------|-------|--------|-------------|-----------|
| 531.1 | Aldicarb sulfone | < LOQ | | ug/L | 0.8 | 11/21/2022 | RH |
| 531.1 | Aldicarb sulfoxide | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Carbaryl | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Carbofuran | < LOQ | | ug/L | 0.9 | 11/21/2022 | RH |
| 531.1 | Methomyl | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Oxamyl | < LOQ | | ug/L | 1.0 | 11/21/2022 | RH |

Note: Methylcarbamate Pesticides analysis performed by NYSDOH ELAP #11549 using EPA 531.2, Rev.1 (2001).

Surrogate 4-Bromo-3,5-dimethylphenyl-N-methylcarbamate recovered at 106%, within the +/-30% recovery limits. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 4 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19125****REPORT OF ANALYSIS**

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : GATE OF HEAVEN P.S.

VALHALLA, NY

Collection Point : RAW SAMPLE TAP

ID of Source : WWD3

Agency : Westchester County Water Agency
 432 Michealian Office Building
 White Plains, NY 10601
 Attn: Amanda Delgado

Received By : KB JLM

Bottle No : K840 839+ FB1371 Q1710 4489+
 N62 56 43 P250 1927+ M2355
 2273+

Collected By : DELGADO

Collection Date : 10/24/2022 AT 10:59:00AM

Submitted On : 10/24/2022 AT 11:35:00AM

PWS No. : 5903488

Type Descriptor : 022

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

addtl Report To :

Comment :SOC/VOC

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--|-----------------------------|--------------|-----------|-------|--------|-------------|-----------|
| Organics | | | | | | | |
| Microextractables - 504.1 | | | | | | | |
| 504.1 | 1,2-Dibromo-3-chloropropane | < LOQ | | ug/L | 0.01 | 11/04/2022 | |
| 504.1 | 1,2-Dibromoethane | < LOQ | | ug/L | 0.01 | 11/04/2022 | |
| Pesticides - EPA 508 | | | | | | | |
| 508 | Aldrin | < LOQ | | ug/L | 0.05 | 10/28/2022 | RH |
| 508 | Chlordane | < LOQ | | ug/L | 0.20 | 10/28/2022 | RH |
| 508 | Dieldrin | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Endrin | < LOQ | | ug/L | 0.01 | 10/28/2022 | RH |
| 508 | Heptachlor | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Heptachlor Epoxide | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Lindane | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Methoxychlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 508 | PCB's - Screen | Not Analyzed | | ug/L | 0.10 | 10/28/2022 | RH |
| 508 | Propachlor | Not Analyzed | | ug/L | 0.04 | 10/28/2022 | RH |
| 508 | Toxaphene | < LOQ | | ug/L | 1.00 | 10/28/2022 | RH |
| Note: Pesticide analysis performed by NYSDOH ELAP #11549 using EPA 505, Rev 2.1 (1995). Surrogate 2,4,5,6-Tetrachloro-m-xylene recovered at 116%, within the +/-30% acceptance range. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method requirements. RWHJr | | | | | | | |
| Herbicides - EPA 515.1 | | | | | | | |
| 515.1 | 2,4,5-TP (Silvex) | < LOQ | | ug/L | 0.2 | 11/07/2022 | |
| 515.1 | 2,4-D | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| 515.1 | Dalapon | < LOQ | | ug/L | 1 | 11/07/2022 | |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
 NYS ELAP # 10108
 (914) 231-1620

THIS IS A COPY

Page 1 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19125**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-----------------------------------|---------------------------|---------|-----------|-------|--------|-------------|-----------|
| 515.1 | Dicamba | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| 515.1 | Dinoseb | < LOQ | | ug/L | 0.2 | 11/07/2022 | |
| 515.1 | Pentachlorophenol | < LOQ | | ug/L | 0.04 | 11/07/2022 | |
| 515.1 | Picloram | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| Volatile Organic Compounds | | | | | | | |
| EPA 524.2 | *THM-Bromodichloromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | *THM-Bromoform | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | *THM-Chloroform | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | *THM-Dibromochloromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,1- Trichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,1,2-Tetrachloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,2,2-Tetrachloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,2-Trichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,3-Trichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,3-Trichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,4-Trichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,4-Trimethylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,3,5-Trimethylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,3-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,3-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,4-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 2,2-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 2-Chlorotoluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 4-Chlorotoluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Benzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Bromobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Bromochloromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Bromomethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Carbon tetrachloride | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Chlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Chloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Chloromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | cis-1,2-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | cis-1,3-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Dibromomethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 2 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19125**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-----------|-------------------------------|---------|-----------|-------|--------|-------------|-----------|
| EPA 524.2 | Dichlorodifluoromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Ethylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Hexachlorobutadiene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Isopropylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | MEK(not certified by NYSDOH) | < LOQ | | ug/L | 2.00 | 10/24/2022 | GZ2 |
| EPA 524.2 | Methyl tert-butyl ether | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Methylene Chloride | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | MIBK(not certified by NYSDOH) | < LOQ | | ug/L | 2.00 | 10/24/2022 | GZ2 |
| EPA 524.2 | Naphthalene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | N-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | n-Propylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | o-Xylene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | p & m-Xylene | < LOQ | | ug/L | 1.00 | 10/24/2022 | GZ2 |
| EPA 524.2 | p-Isopropyltoluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | sec-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Styrene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | tert-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Tetrachloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Toluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | trans-1,2-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | trans-1,3-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Trichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Trichlorofluoromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Vinyl chloride | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |

Surrogate 4-bromofluorobenzene recovered above the QC criteria.

jd/GZ 10/25/22

Organic Chemicals - EPA 525.2

| | | | | | | | |
|-------|----------------------------|-------|--|------|------|------------|----|
| 525.2 | Alachlor | < LOQ | | ug/L | 0.2 | 10/28/2022 | RH |
| 525.2 | Atrazine | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Benzo(a)pyrene | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 525.2 | bis(2-Ethylhexyl)adipate | < LOQ | | ug/L | 0.6 | 10/28/2022 | RH |
| 525.2 | bis(2-Ethylhexyl)phthalate | < LOQ | | ug/L | 0.6 | 10/28/2022 | RH |
| 525.2 | Butachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Hexachlorobenzene | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Hexachlorocyclopentadiene | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Metolachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Metribuzin | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| | Propachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Simazine | < LOQ | | ug/L | 0.07 | 10/28/2022 | RH |

Note: Semi-Volatile Organic Compounds by GC/MS analysis performed by NYSDOH ELAP #11549. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method requirements. RWHJr

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 3 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19125**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|---|----------------------|---------|-----------|-------|--------|-------------|-----------|
| Carbamate Pesticides - EPA 531.1 | | | | | | | |
| 531.1 | 3-Hydroxy Carbofuran | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Aldicarb | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Aldicarb sulfone | < LOQ | | ug/L | 0.8 | 11/21/2022 | RH |
| 531.1 | Aldicarb sulfoxide | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Carbaryl | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Carbofuran | < LOQ | | ug/L | 0.9 | 11/21/2022 | RH |
| 531.1 | Methomyl | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Oxamyl | < LOQ | | ug/L | 1.0 | 11/21/2022 | RH |

Note: Methylcarbamate Pesticides analysis performed by NYSDOH ELAP #11549 using EPA 531.2, Rev.1 (2001).

Surrogate 4-Bromo-3,5-dimethylphenyl-N-methylcarbamate recovered at 110%, within the +/-30% recovery limits. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 4 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19121**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : KENSICO DAM

VALHALLA, NY 10595

Collection Point : ENTRY POINT

ID of Source : KENSICO RES

Agency : Westchester County Water Agency
432 Michealian Office Building
White Plains, NY 10601
Attn: Amanda Delgado

Received By : KB JLM

Bottle No : K845 846 847 FB1370 Q3888
4317+ N47 46 42 P22 1871+
M2290 2278+

Collected By : DELGADO

Collection Date : 10/24/2022 AT 10:09:00AM

Submitted On : 10/24/2022 AT 11:30:00AM

PWS No. : 5903488

Type Descriptor : 022

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

addtl Report To :

Comment :SOC/VOC

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|---|-----------------------------|--------------|-----------|-------|--------|-------------|-----------|
| Organics | | | | | | | |
| Microextractables - 504.1 | | | | | | | |
| 504.1 | 1,2-Dibromo-3-chloropropane | < LOQ | | ug/L | 0.01 | 11/04/2022 | |
| 504.1 | 1,2-Dibromoethane | < LOQ | | ug/L | 0.01 | 11/04/2022 | |
| Pesticides - EPA 508 | | | | | | | |
| 508 | Aldrin | < LOQ | | ug/L | 0.05 | 10/28/2022 | RH |
| 508 | Chlordane | < LOQ | | ug/L | 0.20 | 10/28/2022 | RH |
| 508 | Dieldrin | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Endrin | < LOQ | | ug/L | 0.01 | 10/28/2022 | RH |
| 508 | Heptachlor | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Heptachlor Epoxide | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Lindane | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Methoxychlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 508 | PCB's - Screen | Not Analyzed | | ug/L | 0.10 | 10/28/2022 | RH |
| 508 | Propachlor | Not Analyzed | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Toxaphene | < LOQ | | ug/L | 1.00 | 10/28/2022 | RH |
| Note: Pesticide analysis performed by NYSDOH ELAP #11549 using EPA 505, Rev 2.1 (1995). Surrogate 2,4,5,6-Tetrachloro-m-xylene recovered at 110%, within the +/-30% acceptance range. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method requirements. RWHJr | | | | | | | |
| Herbicides - EPA 515.1 | | | | | | | |
| 515.1 | 2,4,5-TP (Silvex) | < LOQ | | ug/L | 0.2 | 11/07/2022 | |
| 515.1 | 2,4-D | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| 515.1 | Dalapon | < LOQ | | ug/L | 1 | 11/07/2022 | |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19121**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--|---------------------------|---------|-----------|-------|--------|-------------|-----------|
| 515.1 | Dicamba | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| 515.1 | Dinoseb | < LOQ | | ug/L | 0.2 | 11/07/2022 | |
| 515.1 | Pentachlorophenol | < LOQ | | ug/L | 0.04 | 11/07/2022 | |
| 515.1 | Picloram | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| <i>Volatile Organic Compounds</i> | | | | | | | |
| EPA 524.2 | *THM-Bromodichloromethane | 0.544 | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | *THM-Bromoform | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | *THM-Chloroform | 2.26 | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | *THM-Dibromochloromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,1- Trichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,1,2-Tetrachloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,2,2-Tetrachloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,2-Trichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,3-Trichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,3-Trichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,4-Trichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,4-Trimethylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,3,5-Trimethylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,3-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,3-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,4-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 2,2-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 2-Chlorotoluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 4-Chlorotoluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Benzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Bromobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Bromochloromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Bromomethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Carbon tetrachloride | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Chlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Chloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Chloromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | cis-1,2-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | cis-1,3-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Dibromomethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 2 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19121**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------------------------------------|-------------------------------|---------|-----------|-------|--------|-------------|-----------|
| EPA 524.2 | Dichlorodifluoromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Ethylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Hexachlorobutadiene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Isopropylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | MEK(not certified by NYSDOH) | < LOQ | | ug/L | 2.00 | 10/24/2022 | GZ2 |
| EPA 524.2 | Methyl tert-butyl ether | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Methylene Chloride | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | MIBK(not certified by NYSDOH) | < LOQ | | ug/L | 2.00 | 10/24/2022 | GZ2 |
| EPA 524.2 | Naphthalene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | N-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | n-Propylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | o-Xylene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | p & m-Xylene | < LOQ | | ug/L | 1.00 | 10/24/2022 | GZ2 |
| EPA 524.2 | p-Isopropyltoluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | sec-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Styrene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | tert-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Tetrachloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Toluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | trans-1,2-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | trans-1,3-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Trichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Trichlorofluoromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Vinyl chloride | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| Organic Chemicals - EPA 525.2 | | | | | | | |
| 525.2 | Alachlor | < LOQ | | ug/L | 0.2 | 10/28/2022 | RH |
| 525.2 | Atrazine | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Benzo(a)pyrene | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 525.2 | bis(2-Ethylhexyl)adipate | < LOQ | | ug/L | 0.6 | 10/28/2022 | RH |
| 525.2 | bis(2-Ethylhexyl)phthalate | < LOQ | | ug/L | 0.6 | 10/28/2022 | RH |
| 525.2 | Butachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Hexachlorobenzene | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Hexachlorocyclopentadiene | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Metolachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Metribuzin | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| | Propachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Simazine | < LOQ | | ug/L | 0.07 | 10/28/2022 | RH |

Note: Semi-Volatile Organic Compounds by GC/MS analysis performed by NYSDOH ELAP #11549. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method requirements. RWHJr

Carbamate Pesticides - EPA 531.1

| | | | | | | | |
|-------|----------------------|-------|--|------|-----|------------|----|
| 531.1 | 3-Hydroxy Carbofuran | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Aldicarb | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 3 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19121**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|--------------------|---------|-----------|-------|--------|-------------|-----------|
| 531.1 | Aldicarb sulfone | < LOQ | | ug/L | 0.8 | 11/21/2022 | RH |
| 531.1 | Aldicarb sulfoxide | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Carbaryl | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Carbofuran | < LOQ | | ug/L | 0.9 | 11/21/2022 | RH |
| 531.1 | Methomyl | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Oxamyl | < LOQ | | ug/L | 1.0 | 11/21/2022 | RH |

Note: Methylcarbamate Pesticides analysis performed by NYSDOH ELAP #11549 using EPA 531.2, Rev.1 (2001).

Surrogate 4-Bromo-3,5-dimethylphenyl-N-methylcarbamate recovered at 100%, within the +/-30% recovery limits. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 4 of 4

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAKE GATE HOUSE

YORKTOWN HEIGHTS, NY

Collection Point : ENTRY POINT

ID of Source : CROTON AQ

Agency : Westchester County Water Agency
432 Michealian Office Building
White Plains, NY 10601
Attn: Amanda Delgado

Received By : KB JLM

Bottle No : K842 843 844 FB1388 Q4322
4359+ N241 527 508 P021 1418+
M2250 2288+

Collected By : DELGADO

Collection Date : 10/24/2022 AT 8:42:00AM

Submitted On : 10/24/2022 AT 11:31:00AM

PWS No. : 5903488

Type Descriptor : 022 Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

addtl Report To :

Comment :SOC/VOC

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|---|-----------------------------|--------------|-----------|-------|--------|-------------|-----------|
| Organics | | | | | | | |
| Microextractables - 504.1 | | | | | | | |
| 504.1 | 1,2-Dibromo-3-chloropropane | < LOQ | | ug/L | 0.01 | 11/04/2022 | |
| 504.1 | 1,2-Dibromoethane | < LOQ | | ug/L | 0.01 | 11/04/2022 | |
| Pesticides - EPA 508 | | | | | | | |
| 508 | Aldrin | < LOQ | | ug/L | 0.05 | 10/28/2022 | RH |
| 508 | Chlordane | < LOQ | | ug/L | 0.20 | 10/28/2022 | RH |
| 508 | Dieldrin | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Endrin | < LOQ | | ug/L | 0.01 | 10/28/2022 | RH |
| 508 | Heptachlor | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Heptachlor Epoxide | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Lindane | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 508 | Methoxychlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 508 | PCB's - Screen | Not Analyzed | | ug/L | 0.10 | 10/28/2022 | RH |
| 508 | Propachlor | Not Analyzed | | ug/L | 0.04 | 10/28/2022 | RH |
| 508 | Toxaphene | < LOQ | | ug/L | 1.00 | 10/28/2022 | RH |
| Note: Pesticide analysis performed by NYSDOH ELAP #11549 using EPA 505, Rev 2.1 (1995). Surrogate 2,4,5,6-Tetrachloro-m-xylene recovered at 114%, within the +/-30% acceptance range. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method requirements. RWHJr | | | | | | | |
| Herbicides - EPA 515.1 | | | | | | | |
| 515.1 | 2,4,5-TP (Silvex) | < LOQ | | ug/L | 0.2 | 11/07/2022 | |
| 515.1 | 2,4-D | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| 515.1 | Dalapon | < LOQ | | ug/L | 1 | 11/07/2022 | |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19123**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-----------------------------------|---------------------------|---------|-----------|-------|--------|-------------|-----------|
| 515.1 | Dicamba | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| 515.1 | Dinoseb | < LOQ | | ug/L | 0.2 | 11/07/2022 | |
| 515.1 | Pentachlorophenol | < LOQ | | ug/L | 0.04 | 11/07/2022 | |
| 515.1 | Picloram | < LOQ | | ug/L | 0.1 | 11/07/2022 | |
| Volatile Organic Compounds | | | | | | | |
| EPA 524.2 | *THM-Bromodichloromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | *THM-Bromoform | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | *THM-Chloroform | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | *THM-Dibromochloromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,1- Trichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,1,2-Tetrachloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,2,2-Tetrachloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1,2-Trichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,1-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,3-Trichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,3-Trichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,4-Trichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2,4-Trimethylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,2-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,3,5-Trimethylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,3-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,3-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 1,4-Dichlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 2,2-Dichloropropane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 2-Chlorotoluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | 4-Chlorotoluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Benzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Bromobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Bromochloromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Bromomethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Carbon tetrachloride | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Chlorobenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Chloroethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Chloromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | cis-1,2-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | cis-1,3-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Dibromomethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 2 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19123**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------------------------------------|-------------------------------|---------|-----------|-------|--------|-------------|-----------|
| EPA 524.2 | Dichlorodifluoromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Ethylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Hexachlorobutadiene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Isopropylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | MEK(not certified by NYSDOH) | < LOQ | | ug/L | 2.00 | 10/24/2022 | GZ2 |
| EPA 524.2 | Methyl tert-butyl ether | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Methylene Chloride | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | MIBK(not certified by NYSDOH) | < LOQ | | ug/L | 2.00 | 10/24/2022 | GZ2 |
| EPA 524.2 | Naphthalene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | N-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | n-Propylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | o-Xylene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | p & m-Xylene | < LOQ | | ug/L | 1.00 | 10/24/2022 | GZ2 |
| EPA 524.2 | p-Isopropyltoluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | sec-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Styrene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | tert-Butylbenzene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Tetrachloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Toluene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | trans-1,2-Dichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | trans-1,3-Dichloropropene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Trichloroethene | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Trichlorofluoromethane | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| EPA 524.2 | Vinyl chloride | < LOQ | | ug/L | 0.50 | 10/24/2022 | GZ2 |
| Organic Chemicals - EPA 525.2 | | | | | | | |
| 525.2 | Alachlor | < LOQ | | ug/L | 0.2 | 10/28/2022 | RH |
| 525.2 | Atrazine | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Benzo(a)pyrene | < LOQ | | ug/L | 0.02 | 10/28/2022 | RH |
| 525.2 | bis(2-Ethylhexyl)adipate | < LOQ | | ug/L | 0.6 | 10/28/2022 | RH |
| 525.2 | bis(2-Ethylhexyl)phthalate | < LOQ | | ug/L | 0.6 | 10/28/2022 | RH |
| 525.2 | Butachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Hexachlorobenzene | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Hexachlorocyclopentadiene | < LOQ | | ug/L | 0.1 | 10/28/2022 | RH |
| 525.2 | Metolachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Metribuzin | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| | Propachlor | < LOQ | | ug/L | 0.10 | 10/28/2022 | RH |
| 525.2 | Simazine | < LOQ | | ug/L | 0.07 | 10/28/2022 | RH |

Note: Semi-Volatile Organic Compounds by GC/MS analysis performed by NYSDOH ELAP #11549. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method requirements. RWHJr

Carbamate Pesticides - EPA 531.1

| | | | | | | | |
|-------|----------------------|-------|--|------|-----|------------|----|
| 531.1 | 3-Hydroxy Carbofuran | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Aldicarb | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 3 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY19123**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|--------------------|---------|-----------|-------|--------|-------------|-----------|
| 531.1 | Aldicarb sulfone | < LOQ | | ug/L | 0.8 | 11/21/2022 | RH |
| 531.1 | Aldicarb sulfoxide | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Carbaryl | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Carbofuran | < LOQ | | ug/L | 0.9 | 11/21/2022 | RH |
| 531.1 | Methomyl | < LOQ | | ug/L | 0.5 | 11/21/2022 | RH |
| 531.1 | Oxamyl | < LOQ | | ug/L | 1.0 | 11/21/2022 | RH |

Note: Methylcarbamate Pesticides analysis performed by NYSDOH ELAP #11549 using EPA 531.2, Rev.1 (2001).

Surrogate 4-Bromo-3,5-dimethylphenyl-N-methylcarbamate recovered at 109%, within the +/-30% recovery limits. Quality Assurance review of the sub-contracted results provided confirms Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

The results given above are INTERIM values and have not been validated by the QC Officer

Approved By

Date Approved : 12/30/1899

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 4 of 4

These analytical results relate only to the sample identified in this report.

Sample No. **AY22324**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CATSKILL SOUTH

Received By : AG JLM

Bottle No : W0031 W0093

VALHALLA, NY

Collection Point : EP

Collected By : DELGADO

ID of Source : CAT AQ.

Collection Date : 12/15/2022 AT 10:55:00AM

Submitted On : 12/15/2022 AT 11:09:00AM

Agency : Westchester County Water Agency

PWS No. : 5903488

432 Michealian Office Building

White Plains, NY 10601

Attn: Amanda Delgado

Type Descriptor : 022

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

addt'l Report To :

Comment :1,4 DIOXANE

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Organics

1,4-Dioxane by SPE,GC/MS,SIM

| | | | | | | | |
|--------------|-------------|-------|--|------|-------|------------|----|
| EPA522, R1.0 | 1,4-Dioxane | < LOQ | | ug/L | 0.100 | 01/06/2023 | RH |
|--------------|-------------|-------|--|------|-------|------------|----|

Note: EPA Method 522, R1 analysis performed by NYSDOH ELAP #11549. Surrogate 1,4-Dioxane-d8 recovery was 82.2%, within +/-30% method criteria. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr 1/27/23

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt

QA Officer

Date Approved : 01/27/2023

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

THIS IS A COPY

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY22325**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : KENSICO DAM

Received By : AG JLM

Bottle No : W0040 W0067

VALHALLA, NY

Collection Point : ENTRY POINT

Collected By : DELGADO

Collection Date : 12/15/2022 AT 10:13:00AM

Submitted On : 12/15/2022 AT 11:09:00AM

PWS No. : 5903488

ID of Source : WWD1

Type Descriptor : 022

Source ID : 000

Agency : Westchester County Water Agency
432 Michealian Office Building
White Plains, NY 10601
Attn: Amanda Delgado

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

addt'l Report To :

Comment :1,4 DIOXANE

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Organics

1,4-Dioxane by SPE,GC/MS,SIM

| | | | | | | | |
|--------------|-------------|-------|--|------|-------|------------|----|
| EPA522, R1.0 | 1,4-Dioxane | < LOQ | | ug/L | 0.100 | 01/06/2023 | RH |
|--------------|-------------|-------|--|------|-------|------------|----|

Note: EPA Method 522, R1 analysis performed by NYSDOH ELAP #11549. Surrogate 1,4-Dioxane-d8 recovery was 72.7%, within +/-30% method criteria. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr 1/27/23

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt

QA Officer

Date Approved : 01/27/2023

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY22326**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT 18
WEST LAKE DR
VALHALLA, NY

Received By : AG JLM
Bottle No : W0070 W0049

Collection Point : ENTRY POINT

ID of Source : DEL AQ.

Agency : Westchester County Water Agency
432 Michealian Office Building
White Plains, NY 10601
Attn: Amanda Delgado

Collected By : DELGADO
Collection Date : 12/15/2022 AT 9:39:00AM
Submitted On : 12/15/2022 AT 11:09:00AM
PWS No. : 5903488

Type Descriptor : 022 Source ID : 000
pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

Comment : 1,4 DIOXANE

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Organics

1,4-Dioxane by SPE,GC/MS,SIM

| | | | | | | | |
|--------------|-------------|-------|--|------|-------|------------|----|
| EPA522, R1.0 | 1,4-Dioxane | < LOQ | | ug/L | 0.100 | 01/06/2023 | RH |
|--------------|-------------|-------|--|------|-------|------------|----|

Note: EPA Method 522, R1 analysis performed by NYSDOH ELAP #11549. Surrogate 1,4-Dioxane-d8 recovery was 70.1%, within +/-30% method criteria. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr 1/27/23

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt

QA Officer

Date Approved : 01/27/2023

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY22327**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAKE GATE HOUSE

Received By : AG JLM

Bottle No : W0096 W0078

YORKTOWN HEIGHTS, NY

Collection Point : ENTRY POINT

Collected By : DELGADO

ID of Source : CROTON AQ.

Collection Date : 12/15/2022 AT 9:07:00AM

Submitted On : 12/15/2022 AT 11:09:00AM

Agency : Westchester County Water Agency

PWS No. : 5903488

432 Michealian Office Building

White Plains, NY 10601

Attn: Amanda Delgado

Type Descriptor : 022

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

add'l Report To :

Comment :1,4 DIOXANE

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Organics

1,4-Dioxane by SPE,GC/MS,SIM

| | | | | | | | |
|--------------|-------------|-------|--|------|-------|------------|----|
| EPA522, R1.0 | 1,4-Dioxane | < LOQ | | ug/L | 0.100 | 01/06/2023 | RH |
|--------------|-------------|-------|--|------|-------|------------|----|

Note: EPA Method 522, R1 analysis performed by NYSDOH ELAP #11549. Surrogate 1,4-Dioxane-d8 recovery was 79.7%, within +/-30% method criteria. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr 1/27/23

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt

QA Officer

Date Approved : 01/27/2023

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

THIS IS A COPY

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY22328**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : GATES OF HEAVEN P.S.

Received By : AG JLM

Bottle No : W0072 W0050

VALHALLA, NY

Collection Point : EP

Collected By : DELGADO

ID of Source : WWD3

Collection Date : 12/15/2022 AT 8:23:00AM

Submitted On : 12/15/2022 AT 11:09:00AM

Agency : Westchester County Water Agency

PWS No. : 5903482

432 Michealian Office Building

White Plains, NY 10601

Attn: Amanda Delgado

Type Descriptor : 022

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

addt'l Report To :

Comment :1,4 DIOXANE

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Organics

1,4-Dioxane by SPE,GC/MS,SIM

| | | | | | | | |
|--------------|-------------|-------|--|------|-------|------------|----|
| EPA522, R1.0 | 1,4-Dioxane | < LOQ | | ug/L | 0.100 | 01/06/2023 | RH |
|--------------|-------------|-------|--|------|-------|------------|----|

Note: EPA Method 522, R1 analysis performed by NYSDOH ELAP #11549. Surrogate 1,4-Dioxane-d8 recovery was 90.9%, within +/-30% method criteria. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr 1/27/23

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 01/27/2023

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

THIS IS A COPY

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY19131**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CATSKILL SOUTH -CAT AQU

VALHALLA, NY

Collection Point : E.P.

ID of Source : CAT AQ

Agency : Westchester County Water Agency
432 Michealian Office Building
White Plains, NY 10601
Attn: Amanda Delgado

add'l Report To :

Received By : JLM

Bottle No : 527770 527773 527631 527774
FB527234 W99 W43

Collected By : DELGADO

Collection Date : 10/24/2022 AT 11:53:00AM

Submitted On : 10/24/2022 AT 12:22:00PM

PWS No. :

Type Descriptor : 022

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

Comment :PFOA, PFAS 1,4 DIOXANE

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Organics

PFAS by SPE, LC/MS/MS

| | | | | | | | |
|----------------|---|----------|--|------|-----|------------|----|
| EPA537.1, R1.0 | Perfluorooctanesulfonic Acid (PFOS) | < LOQ | | ng/L | 1.9 | 11/04/2022 | RH |
| EPA537.1, R1.0 | Perfluorooctanoic Acid (PFOA) | < LOQ | | ng/L | 1.9 | 11/04/2022 | RH |
| EPA537.1, R1.0 | Polyfluorinated Alkyl Substances (PFAS) | See Note | | ng/L | 1.9 | 11/04/2022 | RH |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt*

QA Officer

Date Approved : 12/14/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 3

These analytical results relate only to the sample identified in this report.

Sample No. **AY19131**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Note: EPA Method 537.1 analysis performed by NYSDOH ELAP #11398. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHjr

Additional PFAS Compounds Identified:

| Analyte | Acronym | Chemical Abstract Services Registry Number (CASRN) | Result (ng/L) | LOQ (ng/L) |
|---|--------------|--|---------------|------------|
| Hexafluoropropylene oxide dimer acid /GenX HFPO-DA | | 13252-13-6b | <1.9 | 1.9 |
| N-ethyl perfluorooctanesulfonamidoacetic acid | NEtFOSAA | 2991-50-6 | <1.9 | 1.9 |
| N-methyl perfluorooctanesulfonamidoacetic acid | NMeFOSAA | 2355-31-9 | <1.9 | 1.9 |
| Perfluorobutanesulfonic acid | PFBS | 375-73-5 | <1.9 | 1.9 |
| Perfluorodecanoic acid | PFDA | 335-76-2 | <1.9 | 1.9 |
| Perfluorododecanoic acid | PFDoA | 307-55-1 | <1.9 | 1.9 |
| Perfluoroheptanoic acid | PFHpA | 375-85-9 | <1.9 | 1.9 |
| Perfluorohexanesulfonic acid | PFHxS | 355-46-4 | <1.9 | 1.9 |
| Perfluorohexanoic acid | PFHxA | 307-24-4 | <1.9 | 1.9 |
| Perfluorononanoic acid | PFNA | 375-95-1 | <1.9 | 1.9 |
| Perfluorotetradecanoic acid | PFTeDA | 376-06-7 | <1.9 | 1.9 |
| Perfluorotridecanoic acid | PFTTrDA | 72629-94-8 | <1.9 | 1.9 |
| Perfluoroundecanoic acid | PFUnA | 2058-94-8 | <1.9 | 1.9 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | 763051-92-9c | <1.9 | 1.9 |
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid | 9Cl-PF3ONS | 756426-58-1d | <1.9 | 1.9 |
| 4,8-dioxa-3H-perfluorononanoic acid | ADONA | 919005-14-4e | <1.9 | 1.9 |

PFAS by SPE, LC/MS/MS for Field Blank

| | | | | | |
|---|----------|------|------|------------|----|
| Perfluorooctanesulfonic Acid (PFOS) | < LOQ | ng/L | 2.00 | 11/07/2022 | RH |
| Perfluorooctanoic Acid (PFOA) | < LOQ | ng/L | 2.00 | 11/07/2022 | RH |
| Polyfluorinated Alkyl Substances (PFAS) | See Note | ng/L | 2.00 | 11/07/2022 | RH |

Note: EPA Method 537.1 analysis performed by NYSDOH ELAP #11398. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHjr

Additional PFAS Compounds Identified:

| Analyte | Acronym | Chemical Abstract Services Registry Number (CASRN) | Result (ng/L) | LOQ (ng/L) |
|---|--------------|--|---------------|------------|
| Hexafluoropropylene oxide dimer acid /GenX HFPO-DA | | 13252-13-6b | <2.0 | 2.0 |
| N-ethyl perfluorooctanesulfonamidoacetic acid | NEtFOSAA | 2991-50-6 | <2.0 | 2.0 |
| N-methyl perfluorooctanesulfonamidoacetic acid | NMeFOSAA | 2355-31-9 | <2.0 | 2.0 |
| Perfluorobutanesulfonic acid | PFBS | 375-73-5 | <2.0 | 2.0 |
| Perfluorodecanoic acid | PFDA | 335-76-2 | <2.0 | 2.0 |
| Perfluorododecanoic acid | PFDoA | 307-55-1 | <2.0 | 2.0 |
| Perfluoroheptanoic acid | PFHpA | 375-85-9 | <2.0 | 2.0 |
| Perfluorohexanesulfonic acid | PFHxS | 355-46-4 | <2.0 | 2.0 |
| Perfluorohexanoic acid | PFHxA | 307-24-4 | <2.0 | 2.0 |
| Perfluorononanoic acid | PFNA | 375-95-1 | <2.0 | 2.0 |
| Perfluorotetradecanoic acid | PFTeDA | 376-06-7 | <2.0 | 2.0 |
| Perfluorotridecanoic acid | PFTTrDA | 72629-94-8 | <2.0 | 2.0 |
| Perfluoroundecanoic acid | PFUnA | 2058-94-8 | <2.0 | 2.0 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | 763051-92-9c | <2.0 | 2.0 |
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid | 9Cl-PF3ONS | 756426-58-1d | <2.0 | 2.0 |
| 4,8-dioxa-3H-perfluorononanoic acid | ADONA | 919005-14-4e | <2.0 | 2.0 |

Comments: SAMPLE COULD NOT BE RUN FOR 1,4 DIOXANE AS REQUESTED DUE TO AN INSTRUMENT FAILURE. CLIENT WAS NOTIFIED. - JLM

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 12/14/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

THIS IS A COPY

Page 2 of 3

These analytical results relate only to the sample identified in this report.

Sample No. **AY19128**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT 18 - DEL AQU
WEST LAKE DR
VALHALLA, NY

Received By : KB JLM
Bottle No : 527575 527772 527775 527577
W54 W76 FB527573

Collection Point : ENTRY POINT

ID of Source : DEL AQ

Agency : Westchester County Water Agency
432 Michealian Office Building
White Plains, NY 10601
Attn: Amanda Delgado

Collected By : DELGADO
Collection Date : 10/24/2022 AT 9:38:00AM
Submitted On : 10/24/2022 AT 11:37:00AM
PWS No. : 5903488

Type Descriptor : 022 **Source ID :** 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

addt'l Report To :

Comment : PFOA, PFOS 1,4 DIOXANE

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Organics

PFAS by SPE, LC/MS/MS

| | | | | | | | |
|----------------|---|----------|--|------|-----|------------|----|
| EPA537.1, R1.0 | Perfluorooctanesulfonic Acid (PFOS) | < LOQ | | ng/L | 1.9 | 11/04/2022 | RH |
| EPA537.1, R1.0 | Perfluorooctanoic Acid (PFOA) | < LOQ | | ng/L | 1.9 | 11/04/2022 | RH |
| EPA537.1, R1.0 | Polyfluorinated Alkyl Substances (PFAS) | See Note | | ng/L | 1.9 | 11/04/2022 | RH |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt

QA Officer

Date Approved : 12/14/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 3

These analytical results relate only to the sample identified in this report.

Sample No. **AY19128**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Note: EPA Method 537.1 analysis performed by NYSDOH ELAP #11398. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHjr

Additional PFAS Compounds Identified:

| Analyte | Acronym | Chemical Abstract Services Registry Number (CASRN) | Result (ng/L) | LOQ (ng/L) |
|---|--------------|--|---------------|------------|
| Hexafluoropropylene oxide dimer acid /GenX HFPO-DA | | 13252-13-6b | <1.9 | 1.9 |
| N-ethyl perfluorooctanesulfonamidoacetic acid | NEtFOSAA | 2991-50-6 | <1.9 | 1.9 |
| N-methyl perfluorooctanesulfonamidoacetic acid | NMeFOSAA | 2355-31-9 | <1.9 | 1.9 |
| Perfluorobutanesulfonic acid | PFBS | 375-73-5 | <1.9 | 1.9 |
| Perfluorodecanoic acid | PFDA | 335-76-2 | <1.9 | 1.9 |
| Perfluorododecanoic acid | PFDoA | 307-55-1 | <1.9 | 1.9 |
| Perfluoroheptanoic acid | PFHpA | 375-85-9 | <1.9 | 1.9 |
| Perfluorohexanesulfonic acid | PFHxS | 355-46-4 | <1.9 | 1.9 |
| Perfluorohexanoic acid | PFHxA | 307-24-4 | <1.9 | 1.9 |
| Perfluorononanoic acid | PFNA | 375-95-1 | <1.9 | 1.9 |
| Perfluorotetradecanoic acid | PFTeDA | 376-06-7 | <1.9 | 1.9 |
| Perfluorotridecanoic acid | PFTTrDA | 72629-94-8 | <1.9 | 1.9 |
| Perfluoroundecanoic acid | PFUnA | 2058-94-8 | <1.9 | 1.9 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | 763051-92-9c | <1.9 | 1.9 |
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid | 9Cl-PF3ONS | 756426-58-1d | <1.9 | 1.9 |
| 4,8-dioxa-3H-perfluorononanoic acid | ADONA | 919005-14-4e | <1.9 | 1.9 |

PFAS by SPE, LC/MS/MS for Field Blank

| | | | | | |
|---|----------|------|-----|------------|----|
| Perfluorooctanesulfonic Acid (PFOS) | < LOQ | ng/L | 2.3 | 11/07/2022 | RH |
| Perfluorooctanoic Acid (PFOA) | < LOQ | ng/L | 2.3 | 11/07/2022 | RH |
| Polyfluorinated Alkyl Substances (PFAS) | See Note | ng/L | 2.3 | 11/07/2022 | RH |

Note: EPA Method 537.1 analysis performed by NYSDOH ELAP #11398. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHjr

Additional PFAS Compounds Identified:

| Analyte | Acronym | Chemical Abstract Services Registry Number (CASRN) | Result (ng/L) | LOQ (ng/L) |
|---|--------------|--|---------------|------------|
| Hexafluoropropylene oxide dimer acid /GenX HFPO-DA | | 13252-13-6b | <2.3 | 2.3 |
| N-ethyl perfluorooctanesulfonamidoacetic acid | NEtFOSAA | 2991-50-6 | <2.3 | 2.3 |
| N-methyl perfluorooctanesulfonamidoacetic acid | NMeFOSAA | 2355-31-9 | <2.3 | 2.3 |
| Perfluorobutanesulfonic acid | PFBS | 375-73-5 | <2.3 | 2.3 |
| Perfluorodecanoic acid | PFDA | 335-76-2 | <2.3 | 2.3 |
| Perfluorododecanoic acid | PFDoA | 307-55-1 | <2.3 | 2.3 |
| Perfluoroheptanoic acid | PFHpA | 375-85-9 | <2.3 | 2.3 |
| Perfluorohexanesulfonic acid | PFHxS | 355-46-4 | <2.3 | 2.3 |
| Perfluorohexanoic acid | PFHxA | 307-24-4 | <2.3 | 2.3 |
| Perfluorononanoic acid | PFNA | 375-95-1 | <2.3 | 2.3 |
| Perfluorotetradecanoic acid | PFTeDA | 376-06-7 | <2.3 | 2.3 |
| Perfluorotridecanoic acid | PFTTrDA | 72629-94-8 | <2.3 | 2.3 |
| Perfluoroundecanoic acid | PFUnA | 2058-94-8 | <2.3 | 2.3 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | 763051-92-9c | <2.3 | 2.3 |
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid | 9Cl-PF3ONS | 756426-58-1d | <2.3 | 2.3 |
| 4,8-dioxa-3H-perfluorononanoic acid | ADONA | 919005-14-4e | <2.3 | 2.3 |

Comments: SAMPLE COULD NOT BE RUN FOR 1,4 DIOXANE AS REQUESTED DUE TO AN INSTRUMENT FAILURE. CLIENT WAS NOTIFIED. - JLM

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 12/14/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 2 of 3

These analytical results relate only to the sample identified in this report.

Sample No. **AY19126**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : GATE OF HEAVEN P.S.

Received By : KB JLM

VALHALLA, NY

Bottle No : 527580 527576 527769 527771
FB527216 W27 W74

Collection Point : EP

ID of Source : WWD3

Collected By : DELGADO

Collection Date : 10/24/2022 AT 11:06:00AM

Submitted On : 10/24/2022 AT 11:35:00AM

Agency : Westchester County Water Agency
432 Michealian Office Building
White Plains, NY 10601
Attn: Amanda Delgado

PWS No. : 5903488

Type Descriptor : 022

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

addt'l Report To :

Comment :PFOA, PFOS 1,4 DIOXANE

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|------------------------------|---|----------|-----------|-------|--------|-------------|-----------|
| Organics | | | | | | | |
| PFAS by SPE, LC/MS/MS | | | | | | | |
| EPA537.1, R1.0 | Perfluorooctanesulfonic Acid (PFOS) | < LOQ | | ng/L | 1.9 | 11/04/2022 | RH |
| EPA537.1, R1.0 | Perfluorooctanoic Acid (PFOA) | < LOQ | | ng/L | 1.9 | 11/04/2022 | RH |
| EPA537.1, R1.0 | Polyfluorinated Alkyl Substances (PFAS) | See Note | | ng/L | 1.9 | 11/04/2022 | RH |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt*

QA Officer

Date Approved : 12/14/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 3

These analytical results relate only to the sample identified in this report.

Sample No. AY19126

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Note: EPA Method 537.1 analysis performed by NYSDOH ELAP #11398. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHjr

Additional PFAS Compounds Identified:

| Analyte | Acronym | Chemical Abstract Services Registry Number (CASRN) | Result (ng/L) | LOQ (ng/L) |
|---|--------------|--|---------------|------------|
| Hexafluoropropylene oxide dimer acid /GenX HFPO-DA | | 13252-13-6b | <1.9 | 1.9 |
| N-ethyl perfluorooctanesulfonamidoacetic acid | NEtFOSAA | 2991-50-6 | <1.9 | 1.9 |
| N-methyl perfluorooctanesulfonamidoacetic acid | NMeFOSAA | 2355-31-9 | <1.9 | 1.9 |
| Perfluorobutanesulfonic acid | PFBS | 375-73-5 | <1.9 | 1.9 |
| Perfluorodecanoic acid | PFDA | 335-76-2 | <1.9 | 1.9 |
| Perfluorododecanoic acid | PFDoA | 307-55-1 | <1.9 | 1.9 |
| Perfluoroheptanoic acid | PFHpA | 375-85-9 | <1.9 | 1.9 |
| Perfluorohexanesulfonic acid | PFHxS | 355-46-4 | <1.9 | 1.9 |
| Perfluorohexanoic acid | PFHxA | 307-24-4 | <1.9 | 1.9 |
| Perfluorononanoic acid | PFNA | 375-95-1 | <1.9 | 1.9 |
| Perfluorotetradecanoic acid | PFTeDA | 376-06-7 | <1.9 | 1.9 |
| Perfluorotridecanoic acid | PFTTrDA | 72629-94-8 | <1.9 | 1.9 |
| Perfluoroundecanoic acid | PFUnA | 2058-94-8 | <1.9 | 1.9 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | 763051-92-9c | <1.9 | 1.9 |
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid | 9Cl-PF3ONS | 756426-58-1d | <1.9 | 1.9 |
| 4,8-dioxa-3H-perfluorononanoic acid | ADONA | 919005-14-4e | <1.9 | 1.9 |

PFAS by SPE, LC/MS/MS for Field Blank

| | | | | | |
|---|----------|------|------|------------|----|
| Perfluorooctanesulfonic Acid (PFOS) | < LOQ | ng/L | 2.00 | 11/07/2022 | RH |
| Perfluorooctanoic Acid (PFOA) | < LOQ | ng/L | 2.00 | 11/07/2022 | RH |
| Polyfluorinated Alkyl Substances (PFAS) | See Note | ng/L | 2.00 | 11/07/2022 | RH |

Note: EPA Method 537.1 analysis performed by NYSDOH ELAP #11398. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHjr

Additional PFAS Compounds Identified:

| Analyte | Acronym | Chemical Abstract Services Registry Number (CASRN) | Result (ng/L) | LOQ (ng/L) |
|---|--------------|--|---------------|------------|
| Hexafluoropropylene oxide dimer acid /GenX HFPO-DA | | 13252-13-6b | <2.0 | 2.0 |
| N-ethyl perfluorooctanesulfonamidoacetic acid | NEtFOSAA | 2991-50-6 | <2.0 | 2.0 |
| N-methyl perfluorooctanesulfonamidoacetic acid | NMeFOSAA | 2355-31-9 | <2.0 | 2.0 |
| Perfluorobutanesulfonic acid | PFBS | 375-73-5 | <2.0 | 2.0 |
| Perfluorodecanoic acid | PFDA | 335-76-2 | <2.0 | 2.0 |
| Perfluorododecanoic acid | PFDoA | 307-55-1 | <2.0 | 2.0 |
| Perfluoroheptanoic acid | PFHpA | 375-85-9 | <2.0 | 2.0 |
| Perfluorohexanesulfonic acid | PFHxS | 355-46-4 | <2.0 | 2.0 |
| Perfluorohexanoic acid | PFHxA | 307-24-4 | <2.0 | 2.0 |
| Perfluorononanoic acid | PFNA | 375-95-1 | <2.0 | 2.0 |
| Perfluorotetradecanoic acid | PFTeDA | 376-06-7 | <2.0 | 2.0 |
| Perfluorotridecanoic acid | PFTTrDA | 72629-94-8 | <2.0 | 2.0 |
| Perfluoroundecanoic acid | PFUnA | 2058-94-8 | <2.0 | 2.0 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | 763051-92-9c | <2.0 | 2.0 |
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid | 9Cl-PF3ONS | 756426-58-1d | <2.0 | 2.0 |
| 4,8-dioxa-3H-perfluorononanoic acid | ADONA | 919005-14-4e | <2.0 | 2.0 |

Comments: SAMPLE COULD NOT BE RUN FOR 1,4 DIOXANE AS REQUESTED DUE TO AN INSTRUMENT FAILURE. CLIENT WAS NOTIFIED. - JLM

DL = Detection Limit LOQ = Limit of Quantitation J=value is an estimate H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 12/14/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 2 of 3

These analytical results relate only to the sample identified in this report.

Sample No. **AY19122**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : KENSICO DAM

VALHALLA, NY 10595

Collection Point : ENTRY POINT

ID of Source : WWD1

Agency : Westchester County Water Agency
432 Michealian Office Building
White Plains, NY 10601
Attn: Amanda Delgado

addtl Report To :

Received By : KB JLM

Bottle No : 527776 527582 527550 527633
FB527219 W31 W41

Collected By : DELGADO

Collection Date : 10/24/2022 AT 10:23:00AM

Submitted On : 10/24/2022 AT 11:27:00AM

PWS No. : 5903488

Type Descriptor : 022 Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

Comment :PFOA, PFAS 1,4 DIOXANE

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|------------------------------|---|----------|-----------|-------|--------|-------------|-----------|
| Organics | | | | | | | |
| PFAS by SPE, LC/MS/MS | | | | | | | |
| EPA537.1, R1.0 | Perfluorooctanesulfonic Acid (PFOS) | < LOQ | | ng/L | 1.9 | 11/04/2022 | RH |
| EPA537.1, R1.0 | Perfluorooctanoic Acid (PFOA) | < LOQ | | ng/L | 1.9 | 11/04/2022 | RH |
| EPA537.1, R1.0 | Polyfluorinated Alkyl Substances (PFAS) | See Note | | ng/L | 1.9 | 11/04/2022 | RH |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt*

QA Officer

Date Approved : 12/14/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 3

These analytical results relate only to the sample identified in this report.

Sample No. **AY19122**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Note: EPA Method 537.1 analysis performed by NYSDOH ELAP #11398. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHjr

Additional PFAS Compounds Identified:

| Analyte | Acronym | Chemical Abstract Services Registry Number (CASRN) | Result (ng/L) | LOQ (ng/L) |
|---|--------------|--|---------------|------------|
| Hexafluoropropylene oxide dimer acid /GenX HFPO-DA | | 13252-13-6b | <1.9 | 1.9 |
| N-ethyl perfluorooctanesulfonamidoacetic acid | NEtFOSAA | 2991-50-6 | <1.9 | 1.9 |
| N-methyl perfluorooctanesulfonamidoacetic acid | NMeFOSAA | 2355-31-9 | <1.9 | 1.9 |
| Perfluorobutanesulfonic acid | PFBS | 375-73-5 | <1.9 | 1.9 |
| Perfluorodecanoic acid | PFDA | 335-76-2 | <1.9 | 1.9 |
| Perfluorododecanoic acid | PFDoA | 307-55-1 | <1.9 | 1.9 |
| Perfluoroheptanoic acid | PFHpA | 375-85-9 | <1.9 | 1.9 |
| Perfluorohexanesulfonic acid | PFHxS | 355-46-4 | <1.9 | 1.9 |
| Perfluorohexanoic acid | PFHxA | 307-24-4 | <1.9 | 1.9 |
| Perfluorononanoic acid | PFNA | 375-95-1 | <1.9 | 1.9 |
| Perfluorotetradecanoic acid | PFTeDA | 376-06-7 | <1.9 | 1.9 |
| Perfluorotridecanoic acid | PFTTrDA | 72629-94-8 | <1.9 | 1.9 |
| Perfluoroundecanoic acid | PFUnA | 2058-94-8 | <1.9 | 1.9 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | 763051-92-9c | <1.9 | 1.9 |
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid | 9Cl-PF3ONS | 756426-58-1d | <1.9 | 1.9 |
| 4,8-dioxa-3H-perfluorononanoic acid | ADONA | 919005-14-4e | <1.9 | 1.9 |

PFAS by SPE, LC/MS/MS for Field Blank

| | | | | | |
|---|----------|------|------|------------|----|
| Perfluorooctanesulfonic Acid (PFOS) | < LOQ | ng/L | 2.10 | 11/07/2022 | RH |
| Perfluorooctanoic Acid (PFOA) | < LOQ | ng/L | 2.10 | 11/07/2022 | RH |
| Polyfluorinated Alkyl Substances (PFAS) | See Note | ng/L | 2.10 | 11/07/2022 | RH |

Note: EPA Method 537.1 analysis performed by NYSDOH ELAP #11398. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHjr

Additional PFAS Compounds Identified:

| Analyte | Acronym | Chemical Abstract Services Registry Number (CASRN) | Result (ng/L) | LOQ (ng/L) |
|---|--------------|--|---------------|------------|
| Hexafluoropropylene oxide dimer acid /GenX HFPO-DA | | 13252-13-6b | <2.1 | 2.1 |
| N-ethyl perfluorooctanesulfonamidoacetic acid | NEtFOSAA | 2991-50-6 | <2.1 | 2.1 |
| N-methyl perfluorooctanesulfonamidoacetic acid | NMeFOSAA | 2355-31-9 | <2.1 | 2.1 |
| Perfluorobutanesulfonic acid | PFBS | 375-73-5 | <2.1 | 2.1 |
| Perfluorodecanoic acid | PFDA | 335-76-2 | <2.1 | 2.1 |
| Perfluorododecanoic acid | PFDoA | 307-55-1 | <2.1 | 2.1 |
| Perfluoroheptanoic acid | PFHpA | 375-85-9 | <2.1 | 2.1 |
| Perfluorohexanesulfonic acid | PFHxS | 355-46-4 | <2.1 | 2.1 |
| Perfluorohexanoic acid | PFHxA | 307-24-4 | <2.1 | 2.1 |
| Perfluorononanoic acid | PFNA | 375-95-1 | <2.1 | 2.1 |
| Perfluorotetradecanoic acid | PFTeDA | 376-06-7 | <2.1 | 2.1 |
| Perfluorotridecanoic acid | PFTTrDA | 72629-94-8 | <2.1 | 2.1 |
| Perfluoroundecanoic acid | PFUnA | 2058-94-8 | <2.1 | 2.1 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | 763051-92-9c | <2.1 | 2.1 |
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid | 9Cl-PF3ONS | 756426-58-1d | <2.1 | 2.1 |
| 4,8-dioxa-3H-perfluorononanoic acid | ADONA | 919005-14-4e | <2.1 | 2.1 |

Comments: SAMPLE COULD NOT BE RUN FOR 1,4 DIOXANE AS REQUESTED DUE TO AN INSTRUMENT FAILURE. CLIENT WAS NOTIFIED. - JLM

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 12/14/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 2 of 3

These analytical results relate only to the sample identified in this report.

Sample No. **AY19124**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : CROTON LAKE GATE HOUSE

YORKTOWN HEIGHTS, NY

Collection Point : ENTRY POINT

ID of Source : CROTON AQ

Agency : Westchester County Water Agency
432 Michealian Office Building
White Plains, NY 10601
Attn: Amanda Delgado

addtl Report To :

Received By : KB JLM

Bottle No : 527579 527581 527578 527777
FB527233 W83 W95

Collected By : DELGADO

Collection Date : 10/24/2022 AT 8:56:00AM

Submitted On : 10/24/2022 AT 11:33:00AM

PWS No. : 5903488

Type Descriptor : 022 Source ID : 000
pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_SRC

Comment :PFOA, PFOS 1,4 DIOXANE

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|------------------------------|---|----------|-----------|-------|--------|-------------|-----------|
| Organics | | | | | | | |
| PFAS by SPE, LC/MS/MS | | | | | | | |
| EPA537.1, R1.0 | Perfluorooctanesulfonic Acid (PFOS) | 3.3 | | ng/L | 1.9 | 11/04/2022 | RH |
| EPA537.1, R1.0 | Perfluorooctanoic Acid (PFOA) | 4.3 | | ng/L | 1.9 | 11/04/2022 | RH |
| EPA537.1, R1.0 | Polyfluorinated Alkyl Substances (PFAS) | See Note | | ng/L | 1.9 | 11/04/2022 | RH |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt*

QA Officer

Date Approved : 12/14/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

THIS IS A COPY

Page 1 of 3

These analytical results relate only to the sample identified in this report.

Sample No. **AY19124**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Note: EPA Method 537.1 analysis performed by NYSDOH ELAP #11398. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr

Additional PFAS Compounds Identified:

| Analyte | Acronym | Chemical Abstract Services Registry Number (CASRN) | Result (ng/L) | LOQ (ng/L) |
|---|--------------|--|---------------|------------|
| Hexafluoropropylene oxide dimer acid /GenX HFPO-DA | | 13252-13-6b | <1.9 | 1.9 |
| N-ethyl perfluorooctanesulfonamidoacetic acid | NEtFOSAA | 2991-50-6 | <1.9 | 1.9 |
| N-methyl perfluorooctanesulfonamidoacetic acid | NMeFOSAA | 2355-31-9 | <1.9 | 1.9 |
| Perfluorobutanesulfonic acid | PFBS | 375-73-5 | 2.7 | 1.9 |
| Perfluorodecanoic acid | PFDA | 335-76-2 | <1.9 | 1.9 |
| Perfluorododecanoic acid | PFDoA | 307-55-1 | <1.9 | 1.9 |
| Perfluoroheptanoic acid | PFHpA | 375-85-9 | <1.9 | 1.9 |
| Perfluorohexanesulfonic acid | PFHxS | 355-46-4 | <1.9 | 1.9 |
| Perfluorohexanoic acid | PFHxA | 307-24-4 | 3.1 | 1.9 |
| Perfluorononanoic acid | PFNA | 375-95-1 | <1.9 | 1.9 |
| Perfluorotetradecanoic acid | PFTeDA | 376-06-7 | <1.9 | 1.9 |
| Perfluorotridecanoic acid | PFTTrDA | 72629-94-8 | <1.9 | 1.9 |
| Perfluoroundecanoic acid | PFUnA | 2058-94-8 | <1.9 | 1.9 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | 763051-92-9c | <1.9 | 1.9 |
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid | 9Cl-PF3ONS | 756426-58-1d | <1.9 | 1.9 |
| 4,8-dioxa-3H-perfluorononanoic acid | ADONA | 919005-14-4e | <1.9 | 1.9 |

PFAS by SPE, LC/MS/MS for Field Blank

| | | | | | |
|---|----------|------|-----|------------|----|
| Perfluorooctanesulfonic Acid (PFOS) | < LOQ | ng/L | 1.9 | 11/07/2022 | RH |
| Perfluorooctanoic Acid (PFOA) | < LOQ | ng/L | 1.9 | 11/07/2022 | RH |
| Polyfluorinated Alkyl Substances (PFAS) | See Note | ng/L | 1.9 | 11/07/2022 | RH |

Note: EPA Method 537.1 analysis performed by NYSDOH ELAP #11398. Quality Assurance review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and TNI requirements. RWHJr

Additional PFAS Compounds Identified:

| Analyte | Acronym | Chemical Abstract Services Registry Number (CASRN) | Result (ng/L) | LOQ (ng/L) |
|---|--------------|--|---------------|------------|
| Hexafluoropropylene oxide dimer acid /GenX HFPO-DA | | 13252-13-6b | <1.9 | 1.9 |
| N-ethyl perfluorooctanesulfonamidoacetic acid | NEtFOSAA | 2991-50-6 | <1.9 | 1.9 |
| N-methyl perfluorooctanesulfonamidoacetic acid | NMeFOSAA | 2355-31-9 | <1.9 | 1.9 |
| Perfluorobutanesulfonic acid | PFBS | 375-73-5 | <1.9 | 1.9 |
| Perfluorodecanoic acid | PFDA | 335-76-2 | <1.9 | 1.9 |
| Perfluorododecanoic acid | PFDoA | 307-55-1 | <1.9 | 1.9 |
| Perfluoroheptanoic acid | PFHpA | 375-85-9 | <1.9 | 1.9 |
| Perfluorohexanesulfonic acid | PFHxS | 355-46-4 | <1.9 | 1.9 |
| Perfluorohexanoic acid | PFHxA | 307-24-4 | <1.9 | 1.9 |
| Perfluorononanoic acid | PFNA | 375-95-1 | <1.9 | 1.9 |
| Perfluorotetradecanoic acid | PFTeDA | 376-06-7 | <1.9 | 1.9 |
| Perfluorotridecanoic acid | PFTTrDA | 72629-94-8 | <1.9 | 1.9 |
| Perfluoroundecanoic acid | PFUnA | 2058-94-8 | <1.9 | 1.9 |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | 763051-92-9c | <1.9 | 1.9 |
| 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid | 9Cl-PF3ONS | 756426-58-1d | <1.9 | 1.9 |
| 4,8-dioxa-3H-perfluorononanoic acid | ADONA | 919005-14-4e | <1.9 | 1.9 |

Comments: SAMPLE COULD NOT BE RUN FOR 1,4 DIOXANE AS REQUESTED DUE TO AN INSTRUMENT FAILURE. CLIENT WAS NOTIFIED. - JLM

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 12/14/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

THIS IS A COPY

Page 2 of 3

These analytical results relate only to the sample identified in this report.

LEAD & COPPER

Lead and copper testing is performed under reduced monitoring.

2022 LEAD AND COPPER RULE MONITORING REPORT

Period: (2022-Annual Reduced Monitoring)

System's Name: Village of Tarrytown Type: X CWS NTNCWS
Shaft #10 P.S.
Dept. of Public Works

Address: 401 Neperan Road Size: >100,000
 50,001 to 100,000
X 10,001 to 50,000
 3,301 to 10,000
 501 to 3,300
 101 to 500
 ≤ 100

Telephone #: 914-631-0456
Fax #: 914-631-2258
Federal ID#: 00003461
Contact Person: Steve Cowles, Chief Operator, Type IB

THE RESULTS OF LEAD AND COPPER TAP WATER SAMPLES MUST BE
ATTACHED TO THIS DOCUMENT (see attached)

of Samples required: 30 # of Samples submitted: 30

90th Percentile Level: Lead 4.39 µg/L Copper 117.00 µg/l

TARGETING CRITERIA

of single family structures with copper pipes
and lead solder installed after 1982 or lead pipes
and/or lead service lines (Tier 1) 30

of multi-family structures with copper pipes
with lead solder installed after 1982 or lead pipes
and/or lead service lines (Tier 1)
(Only applicable if multi-family structures comprise more
than 20% of the structures served by the water system) N/A

of buildings containing copper pipes
with lead solder installed after 1982 or lead pipes
and/or lead service lines (Tier 2) N/A

of sites that contain copper pipes and lead solder
installed before 1983 (Tier 3) N/A

Total: 30

Explanation of Tier 2 and/or Tier 3 sites are used
(attach additional pages if necessary)

N/A

LEAD SERVICES LINE SITES

of samples required to be drawn from lead service line sites 30

of samples actually drawn from lead service line sites 30

Difference (explain differences other than zero) 0

Method used to identify lead service line sites
(Attach additional pages if necessary)

All recourses were found through water applications records (material evaluation)
completed by the Village

THE RESULTS OF WATER QUALITY PARAMETER (WQP) SAMPLES MUST
BE ATTACHED TO THIS DOCUMENT (see attached)

of WQP Water Distribution samples required to be collected 40**

of WQP Water Distribution samples actually collected 40

of WQP entry point samples required to be collected 26**

of WQP entry point samples actually collected and submitted 26

** WQP samples are collected and tested based on standard monitoring. WQP results for the two 6-monthly monitoring period (July 2021 – December 2021 and January 2022 - June 2022) are attached.



Signature

Stephen G. Cowles

Chief Plant Operator, 1B
Title

9/28/2022
Date

CERTIFICATION OF COLLECTION METHODS

I certify that:

- Each first draw tap sample for lead and copper is one liter in volume and has stood motionless in the plumbing system of each sampling site for at least six hours.
 - Each first draw sample collected from a single-family residence has been collected from the cold-water kitchen tap or bathroom sink tap.
 - Each first draw sample collected from a non-residential building has been collected at an interior tap from which water is typically drawn for consumption.
 - Each first draw sample collected during an annual or tri-annual monitoring period has been collected in the months of June, July, August or September.
 - Each resident who volunteered to collect tap water samples from his/her home has been properly instructed by the Village of Tarrytown Water Department in the proper methods for collecting lead and copper samples. I do not challenge the accuracy of these sampling results. Enclosed is a copy of the material distributed to residents explaining the proper collection methods, and a list of the results. Sampling was performed by the owners of house/buildings used in the reports.
-


Signature

Stephen G. Cowles
Name

Chief Plant Operator, 1B
Title

9/28/2022
Date


CHANGE OF SAMPLING SITES
2022 Reduced Monitoring

Distance between sites (approximately): N/A

Targeting Criteria: Approved Monitoring Plan (Tier-1-approved sampling sites)

Reason for change (attach additional pages if necessary):

- No additional standard monitoring sites were added or changed.


Signature

Stephen G. Cowles
Name

Chief Plant Operator, 1B
Title

9/28/2022
Date

First-Draw Sample Percentile Results 2021 (June - Sept) - Tarrytown, NY

| Sample No. | Location # | Copper | Sample Date | Copper (µg/L) | | Sample No. | Location # | Lead | Sample Date | Lead (µg/L) |
|------------|------------|---------------------|-------------|---------------|--|------------|------------|---------------------|-------------|-------------|
| | | Location | | | | | | Location | | |
| 1 | LC30 | 39 Terrace Ave | 7/1/2022 | <10.0 | | 1 | LC3 | 8 Hanford Place | 7/3/2022 | <1.00 |
| 2 | LC21 | 23 High St. | 7/1/2022 | 20.9 | | 2 | LC5 | 123 Grove St. | 7/1/2022 | <1.00 |
| 3 | LC18 | 17 Neperan Ave. | 7/19/2022 | 29.7 | | 3 | LC9 | 19 John St. | 7/1/2022 | <1.00 |
| 4 | LC22 | 100 Benedict Ave. | 7/6/2022 | 30.1 | | 4 | LC10 | 65 Riverview Ave. | 7/1/2022 | <1.00 |
| 5 | LC5 | 123 Grove St. | 7/1/2022 | 33.7 | | 5 | LC13 | 42 Independence St. | 7/5/2022 | <1.00 |
| 6 | LC25 | 94 Riverview Ave. | 7/5/2022 | 41.7 | | 6 | LC14 | 46 Front St. | 7/1/2022 | <1.00 |
| 7 | LC2 | 84 Benedict Ave. | 7/1/2022 | 44.8 | | 7 | LC17 | 50 LeGrande Ave. | 7/1/2022 | <1.00 |
| 8 | LC20 | 157 Union Ave. | 7/1/2022 | 48.2 | | 8 | LC18 | 17 Neperan Ave. | 7/19/2022 | <1.00 |
| 9 | LC1 | 45 Rosehill Ave | 6/30/2022 | 49.5 | | 9 | LC19 | 39 McKeel Ave. | 7/1/2022 | <1.00 |
| 10 | LC4 | 26 Central Ave. | 7/1/2022 | 55.6 | | 10 | LC21 | 23 High St. | 7/1/2022 | <1.00 |
| 11 | LC7 | 70 S. Broadway | 7/1/2022 | 55.8 | | 11 | LC22 | 100 Benedict Ave. | 7/6/2022 | <1.00 |
| 12 | LC17 | 50 LeGrande Ave. | 7/1/2022 | 64.9 | | 12 | LC23 | 38 McKeel Ave. | 7/4/2022 | <1.00 |
| 13 | LC29 | 73 Riverview Ave. | 7/1/2022 | 66.6 | | 13 | LC25 | 94 Riverview Ave. | 7/5/2022 | <1.00 |
| 14 | LC10 | 65 Riverview Ave. | 7/1/2022 | 74.1 | | 14 | LC26 | 60 Benedict Ave. | 7/1/2022 | <1.00 |
| 15 | LC24 | 15 High St. | 7/1/2022 | 74.5 | | 15 | LC27 | 87 Altamont Ave. | 7/19/2022 | <1.00 |
| 16 | LC26 | 60 Benedict Ave. | 7/1/2022 | 75.2 | | 16 | LC29 | 73 Riverview Ave. | 7/1/2022 | <1.00 |
| 17 | LC23 | 38 McKeel Ave. | 7/4/2022 | 79.7 | | 17 | LC30 | 39 Terrace Ave | 7/1/2022 | <1.00 |
| 18 | LC13 | 42 Independence St. | 7/5/2022 | 80.2 | | 18 | LC4 | 26 Central Ave. | 7/1/2022 | 1.07 |
| 19 | LC27 | 87 Altamont Ave. | 7/19/2022 | 82.0 | | 19 | LC7 | 70 S. Broadway | 7/1/2022 | 1.11 |
| 20 | LC14 | 46 Front St. | 7/1/2022 | 83.7 | | 20 | LC20 | 157 Union Ave. | 7/1/2022 | 1.34 |
| 21 | LC9 | 19 John St. | 7/1/2022 | 84.1 | | 21 | LC28 | 15 E. Elizabeth St. | 7/5/2022 | 1.40 |
| 22 | LC11 | 144 S. Broadway | 7/5/2022 | 84.6 | | 22 | LC6 | 88 Benedict Ave. | 7/6/2022 | 1.44 |
| 23 | LC3 | 8 Hanford Place | 7/3/2022 | 85.7 | | 23 | LC11 | 144 S. Broadway | 7/5/2022 | 2.58 |
| 24 | LC16 | 29 Park Ave. | 7/13/2022 | 110.0 | | 24 | LC24 | 15 High St. | 7/1/2022 | 3.32 |
| 25 | LC8 | 131 Rosehill Ave. | 6/30/2022 | 111.0 | | 25 | LC2 | 84 Benedict Ave. | 7/1/2022 | 3.79 |
| 26 | LC15 | 97 Altamont Ave. | 7/1/2022 | 116.0 | | 26 | LC8 | 131 Rosehill Ave. | 6/30/2022 | 3.92 |
| 27 | LC28 | 15 E. Elizabeth St. | 7/5/2022 | 117.0 | | 27 | LC16 | 29 Park Ave. | 7/19/2022 | 4.39 |
| 28 | LC19 | 39 McKeel Ave. | 7/1/2022 | 142.0 | | 28 | LC1 | 45 Rosehill Ave | 6/30/2022 | 5.15 |
| 29 | LC12 | 56 Grove St. | 7/1/2022 | 158.0 | | 29 | LC12 | 56 Grove St. | 7/1/2022 | 5.41 |
| 30 | LC6 | 88 Benedict Ave. | 7/6/2022 | 219.0 | | 30 | LC15 | 97 Altamont Ave. | 7/1/2022 | 8.27 |

| 90th Percentile | (µg/L) | Meet Compliance |
|-------------------------------------|--------|-----------------|
| Regulatory Action Limit for Lead | 15 | YES |
| 90th Percentile value for Lead | 4.39 | |
| | | |
| Regulatory Action Limits for Copper | 1,300 | YES |
| 90th Percentile value for Copper | 117.00 | |



Stephen G. Cowles, Chief Plant Operator, 1B
Village of Tarrytown, NY

RADIOLOGICAL RESULTS

Radiological testing is performed once every nine years under reduced monitoring. The following results from 2021 are valid until 2029.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : JLM
Bottle No : C1284 1285 1286 1287 2103

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 11/16/2021 AT 11:45:00AM
Submitted On : 11/16/2021 AT 12:08:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH : 7.47
Free Cl2 : 1.64 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : RADIOLOGICAL SAMPLES 2021

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--|------------------|----------------|-----------|-------|--------|-------------|-----------|
| <u>Inorganics</u> | | | | | | | |
| EPA 200.8 | Uranium | < LOQ | | ug/L | 1.00 | 11/18/2021 | MO |
| <i>Result satisfies Radionuclide Uranium Rule requirements (U238 < 30 µg/L). Measurement uncertainty has not been calculated for the reported value. RWHJr</i> | | | | | | | |
| <u>Radiological</u> | | | | | | | |
| EPA 903.1 | Radium 226 | 0.235+/-0.307 | | pCi/L | | 01/14/2022 | RH |
| <i>Comments: Analysis performed by NYSDOH ELAP # 10888. Result satisfies Radionuclide Rule requirements (Ra-226 + Ra-228 < 5 pCi/L). Minimum Detectable Activity = 0.482 pCi/L. Reported Uncertainty is the calculated Expanded Uncertainty at the 95% confidence interval, using a coverage factor of 1.96. Review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and NELAC requirements. RWHJr</i> | | | | | | | |
| EPA 904.0 | Radium 228 | 0.011+/-0.389 | | pCi/L | | 01/13/2022 | RH |
| <i>Comments: Analysis performed by NYSDOH ELAP # 10888. Result satisfies Radionuclide Rule requirements (Ra-228 + Ra-226 < 5 pCi/L). Minimum Detectable Activity = 0.829 pCi/L. Reported Uncertainty is the calculated Expanded Uncertainty at the 95% confidence interval, using a coverage factor of 1.96. Review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and NELAC requirements. RWHJr</i> | | | | | | | |
| EPA 900.0 | Gross Alpha | (1.28)+/-0.523 | | pCi/L | | 01/19/2022 | RH |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt**QA Officer****Date Approved :** 01/20/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 2325

EMAIL 1/20/2022

Page 1 of 2

These analytical results relate only to the sample identified in this report.

Sample No. **AX23007**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Comments: Analysis performed by NYSDOH ELAP # 10888.

Result satisfies Radionuclide Rule Requirements (Net Alpha < 15 pCi/L after exclusion of U238).

Note: The (negative) value denotes the sample activity was below the recorded background during the analysis.

Minimum Detectable Activity = 2.74 pCi/L. Reported Uncertainty is the calculated Expanded Uncertainty at the 95% confidence interval, using a coverage factor of 1.96. Review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and NELAC requirements. RWHJr

| | | | | | | | |
|-----------|------------|---------------|--|-------|--|------------|----|
| EPA 900.0 | Gross Beta | 0.658+/-0.713 | | pCi/L | | 01/19/2022 | RH |
|-----------|------------|---------------|--|-------|--|------------|----|

Comments: Analysis performed by NYSDOH ELAP # 10888.

Result satisfies Radionuclide Rule Requirements (Gross Beta < 50 pCi/L).

Minimum Detectable Activity = 1.62 pCi/L. Reported Uncertainty is the calculated Expanded Uncertainty at the 95% confidence interval, using a coverage factor of 1.96. Review of the sub-contracted result confirms all Quality Control acceptance criteria have satisfied method and NELAC requirements. RWHJr

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 01/20/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2325

EMAIL 1/20/2022

Page 2 of 2

These analytical results relate only to the sample identified in this report.

TTHMs & HAA5s

Testing for Total Trihalomethanes (TTHMs) and Haloacetic Acids (HAA5s) is performed quarterly.

Public Water Supply
Stage 2-DBPR (TTHM and HAA5) Compliance and Sampling Report

Municipality: Village of Tarrytown, NY

Report Date: 2/16/2022

Summary Tables - TTHM and HAA5 Concentration (µg/L)

| DATA values | | | | | | | | | | | | | | |
|-------------|---------|-------------|---------------------|-------|------|----------------|-------|------|---------------|-------|------|--------------|-------|------|
| Year | Quarter | Sample Date | Tarryhill Clubhouse | | | Hackley School | | | Senior Center | | | Village Hall | | |
| | | | ST2H2 | | | ST2H1 | | | ST2T2 | | | ST1A2 | | |
| | | | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 |
| 2021 | 1 | 2/3/2021 | 44.50 | 60.00 | 0.61 | 23.70 | 41.00 | 0.74 | 72.90 | 12.50 | 0.30 | 36.90 | 54.00 | 0.47 |
| | 2 | 05/05/21 | 59.50 | 74.00 | 0.64 | 24.70 | 40.00 | 0.75 | 60.80 | 66.00 | 0.36 | 51.10 | 66.00 | 0.49 |
| | 3 | 08/02/21 | 67.80 | 45.60 | 0.59 | 29.20 | 45.00 | 0.74 | 70.70 | 42.80 | 0.40 | 60.20 | 44.00 | 0.48 |
| | 4 | 11/03/21 | 46.80 | 79.00 | 0.47 | 101.40 | 87.00 | 0.63 | 91.40 | 77.00 | 0.46 | 58.60 | 84.20 | 0.39 |
| 2022 | 1 | 02/02/22 | 41.90 | 51.00 | 0.38 | 83.80 | 36.90 | 0.42 | 40.90 | 41.00 | 0.22 | 37.70 | 37.00 | 0.27 |
| | 2 | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | |

LOCATION RUNNING ANNUAL AVERAGE*

| Year | Quarter | Sample Date | Tarryhill Clubhouse | | | Hackley School | | | Senior Center | | | Village Hall | | |
|------|---------|-------------|---------------------|-------|--|----------------|-------|--|---------------|-------|--|--------------|-------|--|
| | | | ST2H2 | | | ST2H1 | | | ST2T2 | | | ST1A2 | | |
| | | | TTHM | HAA5 | | TTHM | HAA5 | | TTHM | HAA5 | | TTHM | HAA5 | |
| 2022 | 1 | 2/2/2022 | 54.00 | 62.40 | | 59.78 | 52.23 | | 65.95 | 56.70 | | 51.90 | 57.80 | |
| | 2 | 01/00/00 | | | | | | | | | | | | |
| | 3 | 01/00/00 | | | | | | | | | | | | |
| | 4 | 01/00/00 | | | | | | | | | | | | |

NOTE:

* LRAA MCL for TTHM is 80 µg/L

* LRAA MCL for HAA5 is 60 µg/L

Lab Performing Analysis:

Eurofins

Last samples analyzed on:

2-7 to 2-9-2022

Mail to:

Westchester County Dept. of Health
Bureau of Environmental Quality
25 Moore Ave
Mt. Kisco, NY 10549
Attn: Zaw Thein

Signature:

Chief Operator: Steve Cowles

Cert. No. NY 0033075

Public Water Supply
Stage 2-DBPR (TTHM and HAA5) Compliance and Sampling Report

| | |
|---------------|--------------------------|
| Municipality: | Village of Tarrytown, NY |
| Report Date: | 5/25/2022 |

Summary Tables - TTHM and HAA5 Concentration (µg/L)

| DATA values | | | | | | | | | | | | | | |
|-------------|---------|-------------|------------------------------|-------|------|-------------------------|-------|------|------------------------|-------|------|-----------------------|-------|------|
| Year | Quarter | Sample Date | Tarryhill Clubhouse ST2H2 | | | Hackley School ST2H1 | | | Senior Center ST2T2 | | | Village Hall ST1A2 | | |
| | | | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 |
| 2021 | 1 | 2/3/2021 | 44.50 | 60.00 | 0.61 | 23.70 | 41.00 | 0.74 | 72.90 | 12.50 | 0.30 | 36.90 | 54.00 | 0.47 |
| | 2 | 05/05/21 | 59.50 | 74.00 | 0.64 | 24.70 | 40.00 | 0.75 | 60.80 | 66.00 | 0.36 | 51.10 | 66.00 | 0.49 |
| | 3 | 08/02/21 | 67.80 | 45.60 | 0.59 | 29.20 | 45.00 | 0.74 | 70.70 | 42.80 | 0.40 | 60.20 | 44.00 | 0.48 |
| | 4 | 11/03/21 | 46.80 | 79.00 | 0.47 | 101.40 | 87.00 | 0.63 | 91.40 | 77.00 | 0.46 | 58.60 | 84.20 | 0.39 |
| 2022 | 1 | 02/02/22 | 41.90 | 51.00 | 0.38 | 83.80 | 36.90 | 0.42 | 40.90 | 41.00 | 0.22 | 37.70 | 37.00 | 0.27 |
| | 2 | 05/03/22 | 54.80 | 50.00 | 0.22 | 27.90 | 34.00 | 0.59 | 47.30 | 44.00 | 0.26 | 39.80 | 36.00 | 0.24 |
| | 3 | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | |

| LOCATION RUNNING ANNUAL AVERAGE* | | | | | | | | | | | | | | |
|----------------------------------|---------|-------------|------------------------------|-------|--|-------------------------|-------|--|------------------------|-------|--|-----------------------|-------|--|
| Year | Quarter | Sample Date | Tarryhill Clubhouse ST2H2 | | | Hackley School ST2H1 | | | Senior Center ST2T2 | | | Village Hall ST1A2 | | |
| | | | TTHM | HAA5 | | TTHM | HAA5 | | TTHM | HAA5 | | TTHM | HAA5 | |
| 2022 | 1 | 2/2/2022 | 54.00 | 62.40 | | 59.78 | 52.23 | | 65.95 | 56.70 | | 51.90 | 57.80 | |
| | 2 | 05/03/22 | 52.83 | 56.40 | | 60.58 | 50.73 | | 62.58 | 51.20 | | 49.08 | 50.30 | |
| | 3 | 01/00/00 | | | | | | | | | | | | |
| | 4 | 01/00/00 | | | | | | | | | | | | |

NOTE:

- * LRAA MCL for TTHM is 80 µg/L
- * LRAA MCL for HAA5 is 60 µg/L

Lab Performing Analysis:
 Last samples analyzed on:

Eurofins
 5-7 to 5-12-2022

Mail to:

Westchester County Dept. of Health
 Bureau of Environmental Quality
 25 Moore Ave
 Mt. Kisco, NY 10549
 Attn: Zaw Thein

Signature:

Chief Operator: Steve Cowles
 Cert. No. NY 0033075

Public Water Supply
Stage 2-DBPR (TTHM and HAA5) Compliance and Sampling Report

| | |
|---------------|--------------------------|
| Municipality: | Village of Tarrytown, NY |
| Report Date: | 8/17/2022 |

Summary Tables - TTHM and HAA5 Concentration (µg/L)

| DATA values | | | | | | | | | | | | | | |
|-------------|---------|-------------|------------------------------|-------|------|-------------------------|-------|------|------------------------|-------|------|-----------------------|-------|------|
| Year | Quarter | Sample Date | Tarryhill Clubhouse ST2H2 | | | Hackley School ST2H1 | | | Senior Center ST2T2 | | | Village Hall ST1A2 | | |
| | | | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 |
| 2021 | 1 | 2/3/2021 | 44.50 | 60.00 | 0.61 | 23.70 | 41.00 | 0.74 | 72.90 | 12.50 | 0.30 | 36.90 | 54.00 | 0.47 |
| | 2 | 05/05/21 | 59.50 | 74.00 | 0.64 | 24.70 | 40.00 | 0.75 | 60.80 | 66.00 | 0.36 | 51.10 | 66.00 | 0.49 |
| | 3 | 08/02/21 | 67.80 | 45.60 | 0.59 | 29.20 | 45.00 | 0.74 | 70.70 | 42.80 | 0.40 | 60.20 | 44.00 | 0.48 |
| | 4 | 11/03/21 | 46.80 | 79.00 | 0.47 | 101.40 | 87.00 | 0.63 | 91.40 | 77.00 | 0.46 | 58.60 | 84.20 | 0.39 |
| 2022 | 1 | 02/02/22 | 41.90 | 51.00 | 0.38 | 83.80 | 36.90 | 0.42 | 40.90 | 41.00 | 0.22 | 37.70 | 37.00 | 0.27 |
| | 2 | 05/03/22 | 54.80 | 50.00 | 0.22 | 27.90 | 34.00 | 0.59 | 47.30 | 44.00 | 0.26 | 39.80 | 36.00 | 0.24 |
| | 3 | 08/03/22 | 69.70 | 18.30 | 0.21 | 66.30 | 27.50 | 0.68 | 56.60 | 37.00 | 0.22 | 39.80 | 40.00 | 0.37 |
| | 4 | | | | | | | | | | | | | |

| LOCATION RUNNING ANNUAL AVERAGE* | | | | | | | | | | | | | | |
|----------------------------------|---------|-------------|------------------------------|-------|--|-------------------------|-------|--|------------------------|-------|--|-----------------------|-------|--|
| Year | Quarter | Sample Date | Tarryhill Clubhouse ST2H2 | | | Hackley School ST2H1 | | | Senior Center ST2T2 | | | Village Hall ST1A2 | | |
| | | | TTHM | HAA5 | | TTHM | HAA5 | | TTHM | HAA5 | | TTHM | HAA5 | |
| 2022 | 1 | 2/2/2022 | 54.00 | 62.40 | | 59.78 | 52.23 | | 65.95 | 56.70 | | 51.90 | 57.80 | |
| | 2 | 05/03/22 | 52.83 | 56.40 | | 60.58 | 50.73 | | 62.58 | 51.20 | | 49.08 | 50.30 | |
| | 3 | 08/03/22 | 53.30 | 49.58 | | 69.85 | 46.35 | | 59.05 | 49.75 | | 43.98 | 49.30 | |
| | 4 | | | | | | | | | | | | | |

NOTE:

* LRAA MCL for TTHM is 80 µg/L

* LRAA MCL for HAA5 is 60 µg/L

Lab Performing Analysis:

Eurofins

Last samples analyzed on:

8-11 to 8-16-2022

Mail to:

Westchester County Dept. of Health
 Bureau of Environmental Quality
 25 Moore Ave
 Mt. Kisco, NY 10549
 Attn: Zaw Thein

Signature:

Chief Operator: Steve Cowles

Cert. No. NY 0033075

Public Water Supply
Stage 2-DBPR (TTHM and HAA5) Compliance and Sampling Report

| | |
|---------------|--------------------------|
| Municipality: | Village of Tarrytown, NY |
| Report Date: | 11/2/2022 |

Summary Tables - TTHM and HAA5 Concentration (µg/L)

| DATA values | | | | | | | | | | | | | | |
|-------------|---------|-------------|------------------------------|-------|------|-------------------------|-------|------|------------------------|-------|------|-----------------------|-------|------|
| Year | Quarter | Sample Date | Tarryhill Clubhouse ST2H2 | | | Hackley School ST2H1 | | | Senior Center ST2T2 | | | Village Hall ST1A2 | | |
| | | | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 | TTHM | HAA5 | CL2 |
| 2021 | 1 | 2/3/2021 | 44.50 | 60.00 | 0.61 | 23.70 | 41.00 | 0.74 | 72.90 | 12.50 | 0.30 | 36.90 | 54.00 | 0.47 |
| | 2 | 05/05/21 | 59.50 | 74.00 | 0.64 | 24.70 | 40.00 | 0.75 | 60.80 | 66.00 | 0.36 | 51.10 | 66.00 | 0.49 |
| | 3 | 08/02/21 | 67.80 | 45.60 | 0.59 | 29.20 | 45.00 | 0.74 | 70.70 | 42.80 | 0.40 | 60.20 | 44.00 | 0.48 |
| | 4 | 11/03/21 | 46.80 | 79.00 | 0.47 | 101.40 | 87.00 | 0.63 | 91.40 | 77.00 | 0.46 | 58.60 | 84.20 | 0.39 |
| 2022 | 1 | 02/02/22 | 41.90 | 51.00 | 0.38 | 83.80 | 36.90 | 0.42 | 40.90 | 41.00 | 0.22 | 37.70 | 37.00 | 0.27 |
| | 2 | 05/03/22 | 54.80 | 50.00 | 0.22 | 27.90 | 34.00 | 0.59 | 47.30 | 44.00 | 0.26 | 39.80 | 36.00 | 0.24 |
| | 3 | 08/03/22 | 69.70 | 18.30 | 0.21 | 66.30 | 27.50 | 0.68 | 56.60 | 37.00 | 0.22 | 39.80 | 40.00 | 0.37 |
| | 4 | 11/02/22 | 51.10 | 50.00 | 0.74 | 31.70 | 39.00 | 0.67 | 63.70 | 40.60 | 0.29 | 38.10 | 41.00 | 0.58 |

| LOCATION RUNNING ANNUAL AVERAGE* | | | | | | | | | | | | | | |
|----------------------------------|---------|-------------|------------------------------|-------|--|-------------------------|-------|--|------------------------|-------|--|-----------------------|-------|--|
| Year | Quarter | Sample Date | Tarryhill Clubhouse ST2H2 | | | Hackley School ST2H1 | | | Senior Center ST2T2 | | | Village Hall ST1A2 | | |
| | | | TTHM | HAA5 | | TTHM | HAA5 | | TTHM | HAA5 | | TTHM | HAA5 | |
| 2022 | 1 | 2/2/2022 | 54.00 | 62.40 | | 59.78 | 52.23 | | 65.95 | 56.70 | | 51.90 | 57.80 | |
| | 2 | 05/03/22 | 52.83 | 56.40 | | 60.58 | 50.73 | | 62.58 | 51.20 | | 49.08 | 50.30 | |
| | 3 | 08/03/22 | 53.30 | 49.58 | | 69.85 | 46.35 | | 59.05 | 49.75 | | 43.98 | 49.30 | |
| | 4 | 11/02/22 | 54.38 | 42.33 | | 52.43 | 34.35 | | 52.13 | 40.65 | | 38.85 | 38.50 | |

NOTE:

* LRAA MCL for TTHM is 80 µg/L

* LRAA MCL for HAA5 is 60 µg/L

Lab Performing Analysis:

Last samples analyzed on:

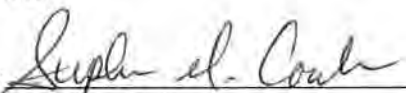
Eurofins

11-4- through 11-16-2022

Mail to:

Westchester County Dept. of Health
Bureau of Environmental Quality
25 Moore Ave
Mt. Kisco, NY 10549
Attn: Zaw Thein

Signature:



Chief Operator: Steve Cowles

Cert. No. NY 0033075

PATHOGEN DATA

Routine sampling for pathogen data is collected by NYC DEP throughout the year for the New Croton Reservoir and Kensico Reservoir, the Village's two sources of water. (Refer to attached 2022 NYC Drinking Water Supply and Quality Report - pages 8, 14, & 16)

New York City DEP - Cryptosporidium And Giardia Data Set (2022)

Cryptosporidium and Giardia Analytical Results for Source Water

| Site | Date | Giardia / 50L | Cryptosporidium / 50L | Qualifiers |
|---------|------------|---------------|-----------------------|------------|
| DEL18DT | 1/10/2022 | 3 | 0 | |
| CROGH | 1/18/2022 | 0 | 0 | |
| DEL18DT | 1/18/2022 | 0 | 0 | |
| DEL18DT | 1/24/2022 | 0 | 0 | |
| DEL18DT | 1/31/2022 | 1 | 0 | |
| DEL18DT | 2/7/2022 | 0 | 0 | |
| DEL18DT | 2/14/2022 | 0 | 0 | |
| DEL18DT | 2/22/2022 | 2 | 0 | |
| DEL18DT | 2/28/2022 | 5 | 1 | |
| DEL18DT | 3/7/2022 | 2 | 0 | |
| DEL18DT | 3/14/2022 | 0 | 0 | |
| DEL18DT | 3/21/2022 | 2 | 0 | |
| DEL18DT | 3/28/2022 | 1 | 0 | |
| DEL18DT | 4/4/2022 | 0 | 0 | |
| DEL18DT | 4/11/2022 | 2 | 0 | |
| CRO1B | 4/18/2022 | 1 | 0 | |
| DEL18DT | 4/18/2022 | 6 | 0 | |
| DEL18DT | 4/25/2022 | 2 | 0 | |
| DEL18DT | 5/2/2022 | 1 | 0 | |
| DEL18DT | 5/9/2022 | 0 | 0 | |
| DEL18DT | 5/16/2022 | 0 | 0 | |
| DEL18DT | 5/23/2022 | 1 | 0 | |
| DEL18DT | 5/31/2022 | 2 | 0 | |
| DEL18DT | 6/6/2022 | 0 | 0 | |
| DEL18DT | 6/13/2022 | 1 | 0 | |
| DEL18DT | 6/21/2022 | 0 | 0 | |
| DEL18DT | 6/27/2022 | 0 | 1 | |
| DEL18DT | 7/5/2022 | 0 | 0 | |
| DEL18DT | 7/11/2022 | 0 | 0 | |
| CRO1B | 7/11/2022 | 0 | 0 | |
| DEL18DT | 7/18/2022 | 0 | 1 | |
| DEL18DT | 7/25/2022 | 0 | 0 | |
| DEL18DT | 8/1/2022 | 2 | 0 | |
| DEL18DT | 8/8/2022 | 0 | 0 | |
| DEL18DT | 8/15/2022 | 0 | 0 | |
| DEL18DT | 8/22/2022 | 0 | 0 | |
| DEL18DT | 8/29/2022 | 1 | 0 | |
| DEL18DT | 9/6/2022 | 0 | 0 | |
| DEL18DT | 9/12/2022 | 0 | 0 | |
| DEL18DT | 9/19/2022 | 0 | 0 | |
| DEL18DT | 9/26/2022 | 0 | 0 | |
| CRO1B | 10/3/2022 | 0 | 0 | |
| DEL18DT | 10/3/2022 | 0 | 0 | |
| DEL18DT | 10/11/2022 | 0 | 1 | |
| DEL18DT | 10/17/2022 | 0 | 0 | |
| DEL18DT | 10/24/2022 | 0 | 0 | |
| DEL18DT | 10/31/2022 | 0 | 0 | |
| DEL18DT | 11/7/2022 | 0 | 0 | |
| DEL18DT | 11/14/2022 | 1 | 0 | |
| DEL18DT | 11/21/2022 | 0 | 0 | |
| DEL18DT | 11/28/2022 | 1 | 0 | |
| DEL18DT | 12/5/2022 | 0 | 0 | |
| DEL18DT | 12/12/2022 | 0 | 0 | |
| DEL18DT | 12/19/2022 | 2 | 0 | |
| DEL18DT | 12/27/2022 | 1 | 0 | |

Source: <https://data.cityofnewyork.us/Environment/DEP-Cryptosporidium-And-Giardia-Data-Set/x2s6-6d2j>

DEP Contact Information

NYC DEP Pathogen Laboratory - NHELAP #2069

71 Smith Ave, Kingston, NY 12401

Lab Director: Lisa McDonald

Phone: (845) 340-7741



NEW YORK CITY DRINKING WATER SUPPLY AND QUALITY REPORT 2022

NEW YORK CITY'S WATER SUPPLY SYSTEM





Dear Friends:

On behalf of my nearly 6,000 colleagues at the Department of Environmental Protection (DEP), I am proud to announce that New York continues to deliver one billion gallons of some of the best tap water in the world to more than 9.8 million New Yorkers each and every day. Drink it in New York – the beauty of New York City water is that it tastes great too!

Here in New York we are fortunate to have a water supply that is well protected and operated by dedicated scientists, engineers, and other highly skilled professionals who have earned admiration among their colleagues throughout the world. DEP continuously monitors the water in the distribution system, upstate reservoirs, feeder streams, and wells that are potential sources for New York City's drinking water supply. We have made substantial investments to upgrade and rehabilitate our water supply infrastructure and protect the quality of our drinking water, with multi-billion dollar projects currently taking place at the Catskill and Delaware aqueducts, among others. More than \$1 billion has also been committed to administering a number of watershed protection and pollution prevention programs to maintain the high quality of our drinking water at the source.

This report illustrates that New York City's drinking water continued to be of excellent quality in 2022. DEP scientists collected 43,900 samples throughout our watershed and reservoir system, and from nearly 1,000 street-side sampling stations in every neighborhood across the city, analyzing those samples 577,300 times at our four water quality laboratories. Robotic monitoring stations on our reservoirs and in our streams provided another 2.7 million tests to ensure DEP was sending the best-quality water to New York City at all times.

Sincerely,

Rohit T. Aggarwala, Commissioner

NYC Chief Climate Officer

NEW YORK CITY'S WATER SUPPLY SYSTEM


New York City's water supply system provides more than one billion gallons of safe drinking water every day to more than 8.8 million residents of New York City and one million people living in the counties of Westchester, Putnam, Orange, and Ulster. In 2022, we delivered 100 million gallons per day to 70 communities and institutions outside NYC. In all, this system provides nearly half the population of New York State with high-quality drinking water.

New York City gets its drinking water from 19 reservoirs and three controlled lakes spread across a nearly 2,000-square-mile watershed. The watershed is located upstate in portions of the Hudson Valley and Catskill Mountains that are as far as 125 miles north of the city. New York City's water supply system is composed of two primary surface water supplies called the Catskill/Delaware and Croton. The City also has a permit to operate a groundwater supply in southeast Queens, although water from that system has not been delivered to customers in many years.

In 2022, New York City received a blend of drinking water from the Catskill/Delaware and Croton supplies. The Catskill/Delaware provided approximately 97.5 percent of the water, and approximately 2.5 percent was supplied by Croton. An estimated 16.4 percent of the water supply was lost. This number does not solely reflect water leaks and wastage, but rather metering calculations that are currently being updated with our new billing system.



Neversink
Reservoir



New York City's water supply system provides more than one billion gallons of safe drinking water every day.

TREATING OUR DRINKING WATER

CATSKILL/DELAWARE SUPPLY

Due to the very high quality of our Catskill/Delaware supply, New York City is one of only five large cities in the country with a surface drinking water supply that does not utilize filtration as a form of treatment. The Catskill/ Delaware supply operates under a filtration waiver, referred to as the "Filtration Avoidance Determination" (FAD), and the water from this supply is treated using two forms of disinfection to reduce microbial risk.

Water is disinfected with chlorine, a common disinfectant added to kill germs and stop bacteria from growing on pipes, and then with ultraviolet (UV) light at the Catskill/Delaware UV Disinfection Facility. The facility, located in Westchester County, is the largest of its kind in the world and is designed to disinfect more than two billion gallons of water per day. At this facility, exposure to UV light inactivates potentially harmful microorganisms without changing the water.

DEP also adds food grade phosphoric acid, sodium hydroxide, and fluoride to the water before sending it into distribution. Phosphoric acid is added because it creates a protective film on pipes that reduces the release of metals, such as lead, from service lines and household plumbing. Sodium hydroxide is added to raise the pH, which reduces corrosion of household plumbing. Fluoride is added to improve dental protection, and is effective in preventing cavities, at a federally approved level of 0.7 mg/L. During 2022 only 0.35 percent of the water produced by Catskill/Delaware supply was not fluoridated.

CROTON SUPPLY

The Croton supply is filtered at the Croton Water Filtration Plant, located underground in the Bronx. The plant can treat up to 290 million gallons of drinking water each day, which helps to ensure a large enough supply of water for the city to withstand droughts, periodically shut down other parts of the water supply, and respond to the potential effects of climate change. The Croton Water Filtration Plant first began operating in May 2015.

Once water arrives at the filtration plant it undergoes treatment to remove impurities. The treatment processes include coagulation, dissolved air flotation, filtration, and disinfection. During coagulation, chemicals are added to untreated water, causing any particulates to bunch together and become a mass of particles called floc. Then injected air bubbles float the floc to the top where it is skimmed off using a process called dissolved air flotation. Finally, the water flows through a filter bed removing any remaining particles. Just like the Catskill/ Delaware supply, Croton water is disinfected with chlorine and UV light to protect against potentially harmful microorganisms, and is treated with food grade phosphoric acid, sodium hydroxide, and fluoride. In 2022, 100 percent of the water produced by the plant was fluoridated.



***DEP Scientists performed
over 376,700 analyses
on 32,300 samples
from the distribution
system in 2022***

TESTING FOR QUALITY

DRINKING WATER SAMPLING AND MONITORING

DEP monitors the water in the distribution system, upstate reservoirs and feeder streams, and wells that are potential sources for New York City's drinking water supply. We continuously sample and conduct analyses for numerous water quality parameters, including microbiological, chemical, and physical measurements, throughout the watershed as the water enters the distribution system, and at nearly 1,000 water quality sampling stations throughout New York City.

In 2022, DEP performed more than 376,700 analyses on 32,300 samples from the distribution system, meeting all state and federal monitoring requirements. These data are summarized in tables starting on page 11. Additionally, DEP performed more than 200,600 analyses on 11,600 samples from the upstate reservoir watersheds and took more than 2.7 million robotic monitoring measurements to support FAD watershed protection programs and to optimize water quality.

REGULATION OF DRINKING WATER

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activities. Contaminants that may be present in source water include microbial contaminants, inorganic contaminants, pesticides and herbicides, organic chemical contaminants, and radioactive contaminants.

To ensure that tap water is safe to drink, the New York State Department of Health (NYSDOH) and the United States Environmental Protection Agency (EPA) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The NYSDOH and the federal Food and Drug Administration's (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. The presence of contaminants does not necessarily indicate that water poses a health risk. These regulations also establish the minimum amount of testing and monitoring that each system must undertake to ensure that the tap water is safe to drink.

Visit [epa.gov/safewater](https://www.epa.gov/safewater) or [health.ny.gov](https://www.health.ny.gov) for more information about drinking water.

PROTECTING OUR WATER AT THE SOURCE

FILTRATION AVOIDANCE DETERMINATION (FAD)

DEP has funded and administered several watershed protection and pollution prevention programs to maintain the high quality of our drinking water, since 1993. These science-based strategies are designed to protect New York City's drinking water at its source by keeping pollution out of our reservoirs and the streams, creeks, and rivers that feed them.

NYSDOH issued mid-term revisions to the 2017 FAD on December 29, 2022, that allow DEP to continue operating the Catskill/Delaware supply without filtration through at least 2027. DEP has committed an estimated \$1 billion to comply with the FAD, which goes towards our watershed programs that conserve watershed lands, upgrade wastewater infrastructure, implement clean water strategies on watershed farms, and manage streams, forests, and other natural resources that affect water quality.

SOURCE WATER ASSESSMENT PROGRAMS

Federal regulations require states to develop and implement source water assessment programs to identify the areas that supply public tap water, inventory contaminants, assess water system susceptibility to contamination, and inform the public of the results. The states are given a great deal of flexibility on how to implement source water assessment programs. These assessments are created using available information to help estimate the potential for source water contamination. Because of DEP's extensive watershed protection and pollution prevention programs, NYSDOH does not find it necessary to perform a source water assessment on the New York City water supply.



DEP Scientist
working on Robotic
water monitoring
buoy at the
Ashokan Reservoir



The Delaware Aqueduct Bypass Tunnel is the largest repair project in the 180-year history of New York City's water supply system

CAPITAL UPGRADES

DEP has continued to make substantial investments to upgrade and rehabilitate our water supply infrastructure, which stretches more than 125 miles from Midtown Manhattan to the northern Catskills, protecting the quality of our drinking water at its source. Infrastructure construction milestones reached in 2022, included preparatory work for the largest capital repair project in DEP history: the Delaware Aqueduct's Rondout-West Branch Bypass Tunnel 600 feet below the Hudson River near Newburgh. That new 2 ½ mile long tunnel section will bypass a leaking section of the 80-year-old aqueduct and is expected to be connected between fall and spring 2023-24.

Additionally, DEP staff and consulting engineers completed the environmental review process for the upcoming Hillview Reservoir Improvement Project in Yonkers, a major overhaul of the water treatment and chemical storage facilities as well as all the aging water management infrastructure at the reservoir. Hillview, at more than 100 years old, plays an essential role as the balancing reservoir that ensures the system provides water as consumption changes during the course of the day.

About 15 miles to the north of Hillview, skilled workers at the Kensico Reservoir completed a shoreline stabilization project adjacent to the primary treatment facilities for the vast majority of the City's drinking water supply. This FAD required project, completed on time and under budget, included replacing 1,400 linear feet of shoreline with carefully placed rocks commonly installed to protect shorelines from scouring and erosion. Projects like this, expected to be expanded in coming years, will stabilize and strengthen fragile shorelines located near water supply against severe storms of the future.

DEP engineers and scientists also began initial environmental reviews for the upcoming Ashokan Century Project (ACP). Expected to be the largest public works project in the Catskills in more than half a century, the ACP includes rehabilitating infrastructure in and around the Ashokan Reservoir in Ulster County – placed into service in 1915 -- including dams, dikes, headworks, spillways and the Dividing Weir Bridge across the middle of the 12-mile-long reservoir.

DEP also continues to invest in its watershed protection programs, a worldwide model for preserving the quality of water at its source. In 2022, DEP stabilized the Batavia Kill stream that feeds the Schoharie Reservoir. The large and complex project restored a section of stream that has long been the largest single source of sediment in the watershed of that reservoir. In addition to protecting the quality of NYC's water supply, the work enhanced fish habitat and recreational opportunities in the region.

CONSERVING OUR SUPPLY

Although New York City has grown by more than 1.3 million people since 1980, demand for water has dropped by approximately 35 percent—making it one of the most water-efficient large cities in the country.

The average single-family household in New York City uses approximately 70,000 gallons of water each year at a cost of \$4.30 per 100 cubic feet of water (748 gallons), or about \$402 a year. Since nearly all customers also receive wastewater collection and treatment services, which cost about \$639, the combined annual water and sewer charge for the typical New York City household using 70,000 gallons per year is \$1,041, calculated at fiscal year 2023 rates, effective July 1, 2022.

Advances in technology have played a key role in the drop of water consumption, from the replacement of thousands of inefficient toilets through DEP's toilet replacement program, to an automated leak detection program, which helps our customers save both money and water by alerting homeowners to unusual spikes in water consumption. DEP has also partnered with other city agencies, colleges, and businesses to help conserve water by installing more than 400 spray shower timers in NYC Parks playgrounds, 34,000 efficient bathroom fixtures in 402 New York City public schools, more than 1,600 efficient bathroom fixtures in City-owned buildings including a hospital, and a water reuse station at the Fire Department of the City of New York's (FDNY) Fire Training Academy on Randall's Island, which includes a 40,000 gallon underground water storage tank used for calibrating equipment on pumper apparatus.

These, and other recent investments, have reduced overall demand for water by more than 16.4 million gallons per day. We plan to achieve a total savings of 20 million gallons per day through new and ongoing initiatives, including a water recirculation project in Central Park, a valve replacement project in Prospect Park, additional New York City public school fixture retrofits, and more.



DOs & DON'Ts of Water Conservation

In or out of a drought, every New Yorker can save hundreds of gallons of water each week by following these simple water-saving tips.

BATHROOM

- ✓ Do take short showers and save 5 to 7 gallons a minute.
- ✓ Do fill the tub halfway and save 10 to 15 gallons.
- ✓ Do install water-saving toilets, shower heads and faucet aerators. Place a plastic bottle filled with water in your toilet tank if you can't switch to a low flow toilet.
- ✗ Don't run the water while shaving, washing your hands or brushing your teeth. Faucets use 2 to 3 gallons a minute.
- ✗ Don't use the toilet as a wastebasket, and don't flush it unnecessarily.

OUTDOORS

- ✓ Do use a self-closing nozzle on your hose.
- ✗ Don't water your sidewalk or driveway—sweep them clean.
- ✗ Don't over water your lawn or plants. Water before 9 a.m. or after 7 p.m.

KITCHEN & LAUNDRY

- ✓ Do run the dishwasher and washing machine only when full. Save even more by using the short cycle.
- ✓ Do install faucet aerators.
- ✗ Don't let the water run while washing dishes. Kitchen faucets use 2 to 3 gallons a minute. Filling a basin only takes 10 gallons to wash and rinse.
- ✗ Don't run water to make it cold. Have it chilled in the refrigerator, ready to drink.

EVERYWHERE

- ✓ Do repair leaky faucets and turn taps off tightly. A slow drip wastes 15 to 20 gallons each day.
- ✗ Don't open fire hydrants.

TO LEARN MORE, CALL 311.

CRYPTOSPORIDIUM AND GIARDIA

DEP maintains a comprehensive program to monitor in source waters and key streams for the presence of *Cryptosporidium* and *Giardia*, microscopic organisms that can cause disease. Disease and syndromic surveillance continue to indicate that there have been no outbreaks of the diseases they cause, cryptosporidiosis and giardiasis, attributed to consuming tap water in New York City. *Cryptosporidium* and *Giardia* data are presented on page 14 of this report.

Federal and state law requires all water suppliers to notify their customers about the potential risks from *Cryptosporidium* and *Giardia*. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Some people may be more vulnerable to disease causing microorganisms, or pathogens in drinking water than the general population. Immunocompromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly individuals, and infants, can be particularly at risk from infections. These people should seek advice from their health care providers about their drinking water.

EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium*, *Giardia*, and other microbial contaminants are available from EPA's Safe Drinking Water Hotline at 1-800-426-4791.

HILLVIEW RESERVOIR CONSENT JUDGEMENT

The Hillview Reservoir is the final stop for drinking water from the Catskill/Delaware System before it enters the city's distribution system. The City and DEP entered into a Consent Decree and Judgement with the United States and New York State, effective May 15, 2019, which sets forth a schedule of compliance for the City to cover the Hillview Reservoir as required by the Long Term 2 Enhanced Surface Water Treatment Rule (40 C.F.R §141.714). DEP and the City complied with all 2022 commitments due under the Decree.

HAA5 NOTICE OF VIOLATION

On February 25, 2022, DEP received a Notice of Violation (NOV) (ID#2022001) for the exceedance of the MCL for haloacetic acids (HAA5), which is based on the average of the four most recent quarterly samples at a particular monitoring location, called the Locational Running Annual Average (LRAA). Each calendar quarter, drinking water samples are collected at locations throughout the city for HAA5 that are used to determine compliance with

the standard of 60 micrograms per liter. One site (50250, Grymes Hill, 10301) out of 20 sampled on February 1, 2022, had an LRAA that exceeded the standard (see table on page 13, footnote (15, 16) on page 16). This was the second consecutive quarter of an HAA5 MCL exceedance at this site. DEP took a multi-step approach to correct this exceedance, including adjustments to the operation of our reservoir system, a reduction in the amount of chlorine used, and adjustments to our in-city distribution system. As a result, all sites were in compliance the rest of 2022.

The likely cause of the elevated level of HAA5 was the intense rainfalls during Tropical Storms Henri and Ida in the fall of 2021, which washed organic material into the upstate reservoirs. Haloacetic acids are formed when organic material in the water combines with chlorine, which is the most commonly used disinfectant in New York State. Chlorine is used as a disinfectant to kill bacteria and viruses that could cause illnesses; and is therefore beneficial to public health. The amount of HAA5 in drinking water can vary, depending on the amount of natural organic material in the source water, the amount of chlorine added, the temperature and a variety of other factors. The following paragraph provides a general summary of the health effects of haloacetic acids, which may occur at much higher exposure levels than what could result through normal use of the water.

Some studies suggest that people who drank chlorinated drinking water containing disinfection by-products (including haloacetic acids) for long periods of time (e.g., 20 to 30 years) may have an increased risk for cancer. However, how long and how frequently people actually drank the water, and how much haloacetic acids the water contained is not known for certain. Therefore, the evidence from these studies is not strong enough to conclude that the observed increased risk for cancer is due to haloacetic acids, other disinfection by-products, or some other factor. Studies of laboratory animals show that the two haloacetic acids, dichloroacetic acid and trichloroacetic acid, can cause cancer following exposure to high levels over their lifetimes. Dichloroacetic acid and trichloroacetic acid are also known to cause other effects in laboratory animals after high levels of exposure, primarily on the liver, kidney, and nervous system and on their ability to bear healthy offspring. The risks for adverse health effects from haloacetic acids in drinking water are small compared to the risk for illness from drinking inadequately disinfected water.

LEAD IN DRINKING WATER: FREQUENTLY ASKED QUESTIONS

IS THERE LEAD IN MY DRINKING WATER?

New York City's award-winning tap water is delivered virtually lead-free through 7,000 miles of lead-free aqueducts, tunnels, and water mains in the city's water supply system. However, homes built prior to 1961 may have lead service lines (which connect your house to the city's water main in the street), and some homes, regardless of the year they were built, could have household plumbing and internal fixtures that contain lead. Although New York City takes extensive steps to protect water in homes that may have lead in their plumbing, lead from plumbing may still be released into a home's drinking water. Lead levels at your home may be higher than at other homes in the community because of materials used in your home's plumbing. DEP is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components.

HOW CAN I FIND OUT IF I HAVE A LEAD SERVICE LINE?

Visit nyc.gov/leadfree to view an interactive map. This map offers historical information largely based on third-party plumbing records, supplemented in some cases by information gathered during inspections.

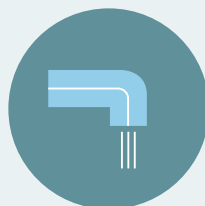
HOW CAN I TEST THE WATER IN MY HOME?

DEP offers free lead test kits to all New York City residents. Call 311 or visit nyc.gov/apps/311 to request a free lead test kit. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at epa.gov/safewater/lead.

WHAT ARE THE HEALTH EFFECTS OF LEAD?

Exposure to lead can cause serious health problems, especially for pregnant women, infants, and young children. For more information, visit nyc.gov/lead.

HOW CAN I LIMIT MY LEAD EXPOSURE?



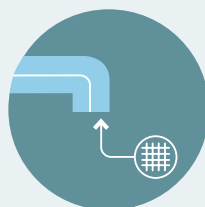
RUN YOUR TAP

for 30 seconds to 2 minutes before using water for drinking or cooking, when your water has been sitting for several hours.



Use Cold Water

for cooking, drinking, or preparing infant formula. Hot tap water is more likely to contain lead and other metals.



Remove & Clean

the faucet screen monthly (also called an aerator), where small particles can get trapped.



Hire

a licensed plumber to identify and replace plumbing fixtures and/or service line that contain lead.



DEP Scientists continuously sample and conduct analyses for hundreds of water quality parameters

HOW TO READ THE NEW YORK CITY 2022 DRINKING WATER QUALITY TESTING RESULTS

The following section of this report compares the quality of your tap water to federal and state standards for each parameter (if applicable). The monitoring results show that New York City's drinking water continues to be of excellent quality.

The following tables reflect the compliance monitoring results for all regulated and non-regulated parameters, the number of samples collected, the range of values detected, the average of the values detected, and the possible sources of the parameters, unless otherwise footnoted. The monitoring frequency of each parameter varies and is parameter specific. Data presented are for the Catskill/Delaware and Croton supplies, which were the only sources of water in 2022.

The table on page 15 represents those parameters monitored for, but not detected in any sample. Most of our data are representative of 2022 testing; concentrations of parameters or contaminants do not change frequently.

THE NEW YORK CITY 2022 DRINKING WATER QUALITY TESTING RESULTS

Detected Conventional Physical and Chemical Parameters

| PARAMETER | NYSDOH MCL (Highest Level Allowed) | EPA MCLG (Ideal Goal) | # SAMPLES | RANGE | AVERAGE | MCL VIOLATION | LIKELY SOURCES IN DRINKING WATER |
|---|---------------------------------------|--------------------------|-----------|----------------|--------------------|---------------|---|
| Alkalinity (mg/L CaCO ₃) | - | | 308 | 15 - 70 | 21 | No | Erosion of natural deposits |
| Aluminum (µg/L) | 50 - 200 ⁽¹⁾ | | 308 | 7 - 78 | 19 | No | Erosion of natural deposits |
| Barium (mg/L) | 2 | 2 | 308 | 0.01 - 0.04 | 0.02 | No | Erosion of natural deposits |
| Bromide (µg/L) | - ⁽²⁾ | | 8 | 8 - 35 | 20 | No | Naturally occurring |
| Calcium (mg/L) | - | | 308 | 5 - 26 | 7 | No | Erosion of natural deposits |
| Chloride (mg/L) | 250 | | 308 | 10 - 80 | 15 | No | Naturally occurring; road salt |
| Chlorine Residual, Free (mg/L) | 4 ⁽³⁾ | | 15,240 | ND - 1.2 | 0.6 ⁽³⁾ | No | Water additive for disinfection |
| Chromium (µg/L) | 100 | | 308 | ND - 3 | ND | No | Erosion of natural deposits |
| Color - distribution system (color units - apparent) | - | | 13,413 | 3 - 54 | 7 | No | Presence of iron, manganese, and organics in water |
| Color - entry points (color units - apparent) | 15 | | 1,825 | 3 - 18 | 7 | No | Presence of iron, manganese, and organics in water |
| Copper (mg/L) | 1.3 ⁽⁴⁾ | 1.3 | 308 | ND - 0.054 | 0.006 | No | Corrosion of household plumbing; erosion of natural deposits |
| Corrosivity (Langelier index) | - ⁽⁵⁾ | | 257 | -2.88 to -1.05 | -2.25 | No | |
| Fluoride (mg/L) | 2.2 | 4 | 2,071 | ND - 0.8 | 0.7 | No | Water additive which promotes strong teeth; erosion of natural deposits |
| Hardness (mg/L CaCO ₃) | - | | 308 | 16 - 99 | 24 | No | Erosion of natural deposits |
| Hardness (grains/gallon[US]CaCO ₃) ⁽⁶⁾ | - | | 308 | 1 - 6 | 1 | No | Erosion of natural deposits |
| Iron (µg/L) | 300 ⁽⁷⁾ | | 308 | ND - 76 | 31 | No | Naturally occurring |
| Lead (µg/L) | 15 ⁽⁴⁾ | | 308 | ND - 6 | ND | No | Erosion of natural deposits |
| Magnesium (mg/L) | - | | 308 | 1 - 8.6 | 1.7 | No | Erosion of natural deposits |

Continued on next page

Detected Conventional Physical and Chemical Parameters (continued)

| PARAMETER | NYSDOH MCL (Highest Level Allowed) | EPA MCLG (Ideal Goal) | # SAMPLES | RANGE | AVERAGE | MCL VIOLATION | LIKELY SOURCES IN DRINKING WATER |
|---|---------------------------------------|-----------------------------|-----------|---------------------------|---------------------|------------------|---|
| Manganese ($\mu\text{g/L}$) | 300 ⁽⁷⁾ | | 308 | ND - 49 | 16 | No | Naturally occurring |
| Nickel ($\mu\text{g/L}$) | - | | 308 | ND - 1.2 ⁽⁸⁾ | ND | No | Erosion of natural deposits |
| Nitrate (mg/L nitrogen) | 10 | 10 | 308 | 0.08 - 0.45 | 0.13 | No | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| pH (pH units) | 6.8 - 8.2 ⁽⁹⁾ | | 15,240 | 6.8 - 10.1 ⁽⁹⁾ | 7.3 | No | |
| Phosphate, Ortho- (mg/L) | 1 - 4 ⁽⁹⁾ | | 11,025 | 0.8 - 4.8 ⁽⁹⁾ | 2.2 | No | Water additive for corrosion control |
| Potassium (mg/L) | - | | 308 | 0.5 - 2.6 | 0.7 | No | Erosion of natural deposits |
| Silica [silicon oxide] (mg/L) | - | | 231 | 2 - 6.4 | 2.7 | No | Erosion of natural deposits |
| Sodium (mg/L) | NDL ⁽¹⁰⁾ | | 308 | 7 - 53 | 12 | No | Naturally occurring; road salt; water softeners; animal waste |
| Specific Conductance ($\mu\text{S/cm}$) | - | | 15,238 | 76 - 488 | 101 | No | |
| Strontium ($\mu\text{g/L}$) | - | | 308 | 15 - 79 | 22 | No | Erosion of natural deposits |
| Sulfate (mg/L) | 250 | | 308 | 3 - 35 | 5 | No | Naturally occurring |
| Temperature ($^{\circ}\text{F}$) | - | | 15,240 | 35 - 83 | 56 | No | |
| Total Dissolved Solids (mg/L) | 500 ⁽¹¹⁾ | | 258 | 39 - 244 | 62 | No | Metals and salts naturally occurring in the soil; organic matter |
| Total Organic Carbon (mg/L) | - | | 408 | 0.7 - 2.0 | 1.7 | No | Organic matter naturally present in the environment |
| Total Organic Carbon - source water (mg/L) | - ⁽²⁾ | | 8 | 2.1 - 4.2 | 3.1 | No | Organic matter naturally present in the environment |
| Turbidity ⁽¹¹⁾ - distribution system (NTU) | 5 ⁽¹²⁾ | | 13,413 | ND - 4.1 | 1.0 ⁽¹²⁾ | No | Soil runoff |
| Turbidity ⁽¹¹⁾ - source water (NTU) | 5 ⁽¹³⁾ | | - | - | 2.0 ⁽¹³⁾ | No | Soil runoff |
| Turbidity ⁽¹¹⁾ - filtered water (NTU) | 0.3 ⁽¹⁴⁾ | | - | - | 0.4 ⁽¹⁴⁾ | No | Soil runoff |
| UV 254 (absorbance/cm) | - | | 365 | 0.011 - 0.045 | 0.032 | No | Organic matter naturally present in the environment |
| Zinc (mg/L) | 5 | | 308 | ND - 0.036 | ND | No | Naturally occurring |

Continued on next page

Detected Organic Parameters

| PARAMETER | NYSDOH MCL (Highest Level Allowed) | EPA MCLG (Ideal Goal) | # SAMPLES | RANGE | AVERAGE | MCL VIOLATION | LIKELY SOURCES IN DRINKING WATER |
|--|---------------------------------------|--------------------------|-----------|-----------|--------------------|---------------------|--|
| Bromochloroacetic Acid (µg/L) | 50 | | 304 | ND - 2.2 | 1.2 | No | By-product of drinking water chlorination |
| Bromodichloroacetic Acid (µg/L) | 50 ⁽²⁾ | | 80 | 1 - 5 | 3 | No | By-product of drinking water chlorination |
| Chlorodibromoacetic Acid (µg/L) | 50 ⁽²⁾ | | 80 | ND - 0.6 | ND | No | By-product of drinking water chlorination |
| Haloacetic Acid 5 (HAA5) (µg/L) | 60 ⁽¹⁵⁾ | | 304 | 4 - 60 | 61 ⁽¹⁵⁾ | Yes ⁽¹⁶⁾ | By-product of drinking water chlorination |
| Haloacetic Acid Brominated (HAA6Br) (µg/L) | - ⁽²⁾ | | 80 | 2 - 9 | 4 | No | By-product of drinking water chlorination |
| Haloacetic Acid 9 (HAA9) (µg/L) | - ⁽²⁾ | | 80 | 31 - 82 | 53 | No | By-product of drinking water chlorination |
| Hexachlorocyclopentadiene (µg/L) | 5 | | 24 | ND - 0.1 | ND | No | Discharge from chemical factories |
| Phenanthrene | 50 | | 82 | ND - 0.16 | ND | No | Incomplete combustion of wood and fossil fuels |
| Total Organic Halogen (µg/L) | - | | 137 | 116 - 245 | 183 | No | By-product of drinking water chlorination |
| Total Trihalomethanes (TTHM) (µg/L) | 80 ⁽¹⁵⁾ | | 304 | 4 - 72 | 55 ⁽¹⁵⁾ | No | By-product of drinking water chlorination |

Detected Microbial Parameters

| PARAMETER | TT (Highest Level Allowed) | EPA MCLG (Ideal Goal) | # SAMPLES | RANGE | # SAMPLES POSITIVE | AVERAGE | HIGHEST MONTH % POSITIVE | ASSESSMENT TRIGGERED | LIKELY SOURCES IN DRINKING WATER |
|---|-------------------------------|--------------------------|-----------|-----------|--------------------|---------|--------------------------|----------------------|--------------------------------------|
| "Total Coliform Bacteria (% of samples positive/month)" | 5% ⁽¹⁷⁾ | 0 | 9,798 | - | 60 | - | 4.3% | No | Naturally present in the environment |
| Heterotrophic Plate Count (CFU/mL) | - | - | 12,058 | ND - 1568 | 223 | ND | - | - | Naturally present in the environment |

Lead and Copper Rule Residential Tap Sampling

| PARAMETER | NYSDOH AL | EPA MCLG (Ideal Goal) | 90% OF YOUR LEVELS WERE LESS THAN | RANGE | # SAMPLES EXCEEDING AL | EXCEEDANCE | LIKELY SOURCES IN DRINKING WATER |
|---------------|-----------|--------------------------|-----------------------------------|-------------|------------------------|------------|----------------------------------|
| Copper (mg/L) | 1.3 | 1.3 | 0.194 | 0.01 - 3.20 | 1 out of 356 | No | Corrosion of household plumbing |
| Lead (µg/L) | 15 | 0 | 11 | ND - 300 | 25 out of 356 | No | Corrosion of household plumbing |

Continued on next page

***Cryptosporidium* and *Giardia* Source Water Sampling** ⁽¹⁸⁾

| PARAMETER | RESERVOIR | # SAMPLES | # SAMPLES POSITIVE | RANGE | LIKELY SOURCES IN DRINKING WATER |
|--------------------------------------|-----------|-----------|--------------------|-------|----------------------------------|
| <i>Cryptosporidium</i> (oocysts/50L) | Kensico | 52 | 4 | 0 - 1 | Animal fecal waste |
| | Hillview | 52 | 3 | 0 - 1 | |
| | Croton | 4 | 0 | 0 | |
| <i>Giardia</i> (cysts/50L) | Kensico | 52 | 21 | 0 - 6 | Animal fecal waste |
| | Hillview | 52 | 12 | 0 - 4 | |
| | Croton | 4 | 1 | 0 - 1 | |

UNITS AND ABBREVIATIONS

CaCO₃ = calcium carbonate

CFU/mL = colony forming units per milliliter

/cm = per centimeter

°F = degrees Fahrenheit

µg/L = micrograms per liter (10⁻⁶ grams per liter)

µS/cm = microsiemens per centimeter

mg/L = milligrams per liter (10⁻³ grams per liter)

MPN/100mL = most probable number per 100 mL

ND = parameter is not detected

NDL = no designated limits

NTU = nephelometric turbidity units

/50L = per 50 liters

DEFINITIONS

Action Level (AL):

The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements that a water system must follow.

Maximum Contaminant Level (MCL):

The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible, using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG):

The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL):

The highest level of a disinfectant allowed in drinking water. The addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG):

The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

Treatment Technique (TT):

A required process intended to reduce the level of a contaminant in drinking water.

90th Percentile Value:

The values reported for lead and copper represent the 90th percentile. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below the value. The 90th percentile is equal to or greater than 90 percent of the lead and copper values detected at your water system.

The following parameters were not detected in any sample monitored for in 2022

Conventional Physical, Chemical and Microbial Parameters:

Antimony; Arsenic; Asbestos ⁽¹⁹⁾; Beryllium; Cadmium; Cyanide; *E. Coli*; Gross alpha ⁽¹⁹⁾; Lithium; Mercury; Nitrite; Radium 228 ⁽¹⁹⁾; Selenium; Silver; Thallium; Uranium ⁽¹⁹⁾

Principal Organic Contaminants:

Benzene; Bromobenzene; Bromochloromethane; Bromomethane; tert-Butylbenzene; n-Butylbenzene; sec-Butylbenzene; Carbon tetrachloride; Chlorobenzene; Chloroethane; Chloromethane; 2-Chlorotoluene; 4-Chlorotoluene; Dibromomethane; 1,3-Dichlorobenzene; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Dichlorodifluoromethane; 1,1-Dichloroethane; 1,2-Dichloroethane; 1,1-Dichloroethene; cis-1,2-Dichloroethylene; trans-1,2-Dichloroethylene; 2,2-Dichloropropane; 1,2-Dichloropropane; 1,3-Dichloropropane; 1,1-Dichloropropene; cis-1,3-Dichloropropene; trans-1,3-Dichloropropene; Ethylbenzene; Hexachlorobutadiene; Isopropylbenzene; p-Isopropyltoluene; Methylene chloride; n-Propylbenzene; Styrene; 1,1,1,2-Tetrachloroethane; 1,1,2,2-Tetrachloroethane; Tetrachloroethylene; Toluene; 1,2,4-Trichlorobenzene; 1,2,3-Trichlorobenzene; 1,1,2-Trichloroethane; 1,1,1-Trichloroethane; Trichloroethene; Trichlorofluoromethane; 1,2,3-Trichloropropane; 1,2,4-Trimethylbenzene; 1,3,5-Trimethylbenzene; m,p-Xylene; o-Xylene

Specified Organic Contaminants:

Di(2-ethylhexyl)adipate; Alachlor; Aldicarb (Temik); Aldicarb sulfone; Aldicarb sulfoxide; Aldrin; Atrazine; Benzo(a)pyrene; Butachlor; Carbaryl; Carbofuran (Furadan); Chlordane; 2,4-D; Dalapon; 1,2-Dibromo-3-chloropropane; Di(2-ethylhexyl)phthalate; Dicamba; Dieldrin; Dinoseb; 1,4-Dioxane; Diquat; Endothall; Endrin; Ethylene dibromide (EDB); Glyphosate; Heptachlor epoxide; Heptachlor; Hexachlorobenzene; 3-Hydroxycarbofuran; Lindane; Methomyl; Methoxychlor; Methyl-tertiary-butyl-ether (MTBE); Metolachlor; Metribuzin; Oxamyl (Vydate); Pentachlorophenol; Perfluorooctanesulfonic acid (PFOS); Picloram; Polychlorinated biphenyls (PCBs); PCB 1016 Aroclor; PCB 1221 Aroclor; PCB 1232 Aroclor; PCB 1242 Aroclor; PCB 1248 Aroclor; PCB 1254 Aroclor; PCB 1260 Aroclor; Propachlor; Simazine; 2,3,7,8-TCDD (Dioxin); Toxaphene; 2,4,5-TP (Silvex); Vinyl chloride

Unspecified Organic Contaminants:

Acenaphthene; Acenaphthylene; Acetochlor; Acetone; Acifluorfen; Allyl chloride; Ametryn; t-Amyl ethyl ether; tert-Amyl methyl ether; Anthracene; Atraton; Propoxur (Baygon); Bentazon; Benzo[a]anthracene; Benzo[b]fluoranthene; Benzo[g,h,i]perylene; Benzo[k]fluoranthene; Butylbenzylphthalate; beta-BHC; alpha-HCH; Bromacil; Bromoacetic acid; Bromoform; 1,3-Butadiene; tert-Butyl alcohol; tert-Butyl ethyl ether; Butylate; Butylated hydroxytoluene (BHT); Caffeine; Carbon Disulfide; gamma-Chlordane; alpha-Chlordane; trans-Chlordane; Chlorfenvinphos; Chlorobenzilate; 4-Chlorobiphenyl; 2-Chlorobiphenyl; 1-Chlorobutane; Chlorodifluoromethane; 11-Chloroeicosafuoro-3-oxaundecane-sulfonic acid; 9-Chlorohexadecafluoro-3-oxanone-sulfonic acid; Chloroneb; Chlorothalonil (Draconil; Bravo); Chlorpropham; Chlorpyrifos (Dursban); Chrysene; Cyanazine; Cycloate; Hexafluoropropylene oxide dimer acid (HFPO-DA); DCPA (Dacthal); 2,4-DB; 2,4-DDD; 4,4'-DDD; 2,4-DDE; 4,4'-DDE; 2,4-DDT; 4,4'-DDT; DEET; delta-HCH; Diazinon; Dibenz[a,h]anthracene; Dibromoacetic acid; 3,5-Dichlorobenzoic acid; 2,4'-Dichlorobiphenyl; Dichlorprop; Dichlorvos (DDVP); Diethyl ether; Diethylphthalate; Di-isopropyl ether; Diisopropyl methylphosphonate; Dimethipin; Dimethoate; Dimethylphthalate; 2,4-Dinitrotoluene; 2,6-Dinitrotoluene; 4,8-dioxo-3H-perfluorononanoic acid (ADONA); Diphenamid; Disulfoton; Endosulfan I; Endosulfan II; Endosulfan sulfate; Endrin aldehyde; Endrin Ketone; EPTC; Ethion; Ethoprop; Ethyl methacrylate; N-ethyl Perfluorooctanesulfonamidoacetic acid; Etridiazole; Fenarimol; Fluoranthene; Fluorene; Fluridone; 2,2',3,4,4',5,5'-Heptachlorobiphenyl; 2,2',4,4',5,5'-Hexachlorobiphenyl; 2,2',3,4,4',5'-Hexachlorobiphenyl; 2,2',3,4',5',6'-Hexachlorobiphenyl; Hexachloroethane; Hexazinone; Indeno[1,2,3-cd]pyrene; Isophorone; Malathion; Methiocarb; Methyl acetate; Methyl iodide; Methyl parathion; N-methyl Perfluorooctanesulfonamidoacetic acid; Mevinphos; MGK-264 isomer a & b; Molinate; Naphthalene; Napropamide; Di-n-Butylphthalate; Nitrofen; Di-N-octylphthalate; cis-Nonachlor; trans-Nonachlor; Norflurzon; Oxyfluorfen; Paraquat; Parathion; Pebulate; Pendimethalin; 2,3',4,4',5'-Pentachlorobiphenyl; 2,3,3',4',6-Pentachlorobiphenyl; Pentachloroethane; Perfluorobutanesulfonic acid (PFBS); Perfluorodecanoic acid (PFDA); Perfluorododecanoic acid (PFDaA); Perfluoroheptanoic acid (PFHpA); Perfluorohexanesulfonic acid (PFHxS); Perfluorohexanoic acid (PFHxA); Perfluorononanoic acid (PFNA); Perfluorooctanoic acid (PFOA); Perfluorotetradecanoic acid (PFTA); Perfluorotridecanoic acid (PFTDA); Perfluoroundecanoic acid (PFUnA); cis-Permethrin; trans-Permethrin; Permethrin (mixed isomers); Phorate; Phosphamidon; Profenofos; Prometon; Prometryn; Pronamide; Propazine; Pyrene; Simetryn; 2,4,5-T; Tebuconazole; Tebuthiuron; Terbacil; Terbutylazine; Terbutryn; 2,2',3,5'-Tetrachlorobiphenyl; 2,2',5,5'-Tetrachlorobiphenyl; 2,3',4',5-Tetrachlorobiphenyl; Tetrachlorovinphos; Tetrahydrofuran; Thiobencarb; Triademefon; Tribufos; 2,4,4'-trichlorobiphenyl; 2,2',5-Trichlorobiphenyl; Trifluralin; Vernolate; Vinclozolin

Fourth Unregulated Contaminant Monitoring Rule (UCMR4) ⁽²⁾ and Emerging Contaminants:

Anatoxin-a; 1-Butanol; Butylated hydroxyanisole; Chlorpyrifos; Cylindrospermopsin; Dimethipin; Ethoprop; alpha-HCH; Germanium Total ICAP/MS; 2-Methoxyethanol; Microplastics ⁽²⁰⁾; Monobromoacetic acid; Monochloroacetic acid; Oxyfluorfen; Profenofos; 2-Propen-1-ol; Quinoline; Tebuconazole; o-Toluidine; Total Microcystins; Total Permethrin (cis & trans); Tribromoacetic acid; Tribufos

2022 MONITORING DATA FOOTNOTES

- (1) EPA Secondary MCL: NYSDOH has not set an MCL for this parameter.
- (2) Monitored for under the Fourth Unregulated Contaminant Monitoring Rule (UCMR4) in 2018 and 2019. UCMR4 included source water monitoring for bromide and total organic carbon; EPA has not established an MCL for these parameters.
- (3) Value represents MRDL, which is a level of disinfectant added for water treatment that may not be exceeded at the consumer's tap without an unacceptable possibility of adverse health effects. The MRDL is enforceable in the same manner as an MCL and is the calculated running annual average. Data presented are the range of individual sampling results and the highest of the four quarterly running annual averages.
- (4) Action Level (not an MCL) measured at-the-tap. The data presented in this table were collected from sampling stations at the street curb. For at-the-tap monitoring, see the Lead and Copper Rule Residential Tap Sampling table.
- (5) A Langelier Index of less than zero indicates corrosive tendencies.
- (6) Hardness of up to 3 grains per gallon is considered soft water; between 3 and 9 is moderately hard water.
- (7) If iron and manganese are present, the total concentration of both should not exceed 500 µg/L.
- (8) Nickel was only detected in one sample on 6/7/22 at site 1SCL1 (Van Cortlandt Village, 10463).
- (9) NYSDOH established Optimal Water Quality Parameters (OWQP) under the Lead and Copper Rule which includes a range for pH and ortho-phosphate which are presented here. The reported average value for pH is the median value. The pH was elevated in two samples collected from site 3ISL4 (Randall's Island, 10035) on 2/3/22 and 3/3/22. Ortho-phosphate was greater than range in three samples collected from site 11750 (City Island, 10464) on 4/16/22, 4/28/22, and 7/2/22 due to an Optimization Control Study being conducted in this area of the system.
- (10) Water containing more than 20 mg/L of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/L of sodium should not be used for drinking by people on moderately restricted sodium diets.
- (11) Turbidity is a measure of cloudiness of the water. Turbidity is monitored because it is a good indicator of water quality, because high turbidity can hinder the effectiveness of disinfection, and because it is a good indicator of the effectiveness of our filtration system.
- (12) This MCL for turbidity is the monthly average rounded off to the nearest whole number. Data presented are the range of individual sampling results and the highest monthly average from distribution sites, which was in April 2022.
- (13) This MCL for turbidity is on individual readings taken every four hours at the unfiltered Catskill/Delaware source water entry point. Value presented is the highest individual sampling result, which occurred on 12/4/2022.
- (14) This is a TT (performance standard) for the Croton Filtration Plant that > 5% of measurements/month must not exceed. The value presented is the highest single combined filter effluent turbidity measurement which occurred on 10/7/22. In 2022, 100% of turbidity results were <0.3 NTU.
- (15) The MCLs for HAA5 and TTHMs are the calculated locational running annual average (LRAA). The data in the Range column are the minimum and maximum values of all sample sites monitored in the distribution system whether for compliance purposes or not. The values in the Average column are the highest LRAA.
- (16) The HAA5 LRAA MCL was exceeded in the 1st quarter of 2022 at site 50250 sampled on 2/1/2022.
- (17) If a sample and one of its repeat samples are both positive for coliform bacteria and one of the two samples is positive for *E. coli*. This is a TT that triggers a Level 1 assessment if exceeded.
- (18) DEP collected samples of water leaving New Croton Reservoir and Kensico Reservoir, prior to chlorination and UV disinfection, and leaving Hillview Reservoir, prior to secondary disinfection with chlorine, and analyzed using EPA Method 1623.1.
- (19) NYSDOH allows monitoring for these contaminants less frequently than once per year. These data, though representative, are from 2020 except for Radium 228 which are from 2021.
- (20) Separate from the UCMR4, DEP tested for microplastics in 2018 and additional monitoring will be conducted in 2023.

CONTACT INFORMATION

Public Water System Identification Number (PWSID) NY7003493

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Rohit T. Aggarwala, Commissioner // 718-595-3000 // nyc.gov/dep

59-17 Junction Blvd, Flushing, NY 11373

NEW YORK CITY WATER BOARD

Visit nyc.gov/waterboard for a list of upcoming meetings and information about opportunities to participate in decisions that affect water quality.

CONTAMINANTS QUESTIONS

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at 1-800-426-4791.

CRYPTOSPORIDIUM AND GIARDIA QUESTIONS

DOHMH Bureau of Communicable Diseases // 347-396-2600

CUSTOMER BILLING QUESTIONS

DEP Customer Service // 718-595-7000 // nyc.gov/dep

LEAD IN DRINKING WATER QUESTIONS

DEP Lead Unit // 718-595-5364 // nyc.gov/dep/leadindrinkingwater

HEALTH QUESTIONS (WATER SUPPLY-RELATED)

DOHMH // Call 311 or 212-NEW YORK (639-9675) // nyc.gov/apps/311

NYSDOH Bureau of Water Supply Protection // 518-402-7650 // health.ny.gov

REPORT UNUSUAL COLOR, TASTE OR ODOR OF DRINKING WATER

Call 311 or 212-NEW YORK (639-9675) // nyc.gov/apps/311

REPORT POLLUTION, CRIME, OR TERRORISM IN THE WATERSHED

DEP Police and Security // 888-H2O-SHED (426-7433) // nyc.gov/dep

REQUEST ADDITIONAL COPIES OF THIS REPORT OR VIEW REPORT ONLINE

Call 311 or 212-NEW YORK (639-9675) // nyc.gov/waterqualityreport

TTY SERVICES

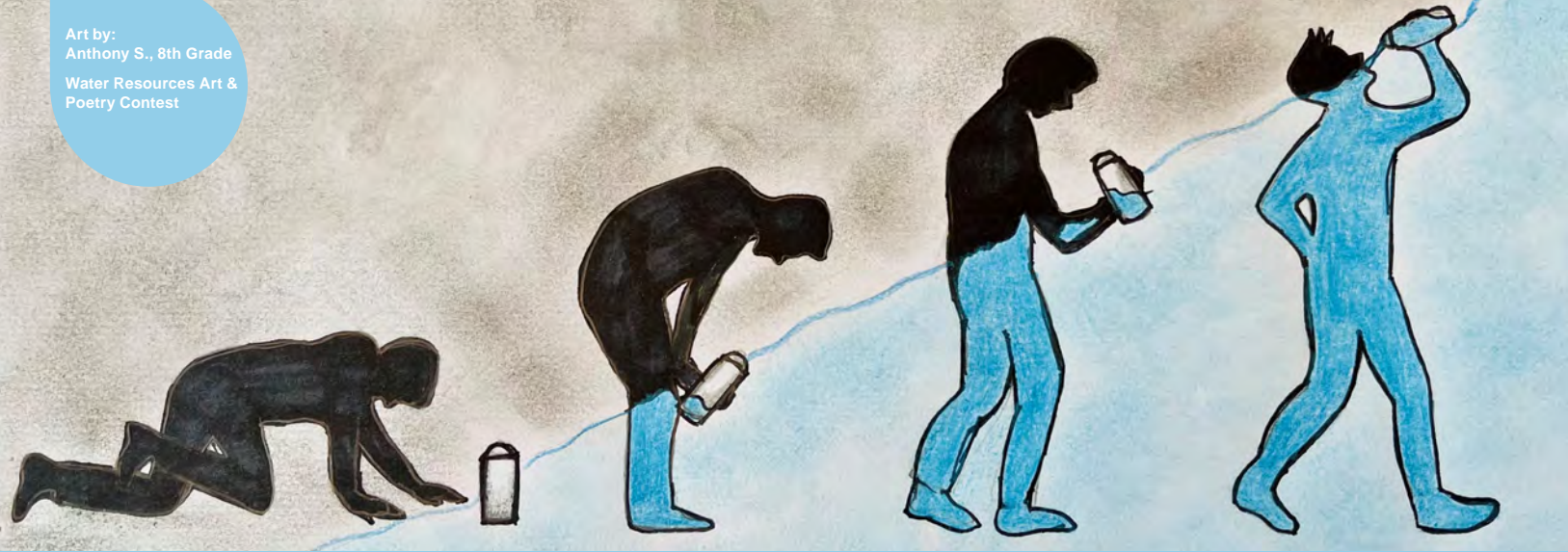
Call 212-504-4115

TEXT 311

311-692

WATER is Life

Art by:
Anthony S., 8th Grade
Water Resources Art &
Poetry Contest



This report contains important information about your drinking water.

Translate it, or speak with someone who understands it.

Este reporte contiene información muy importante sobre el agua que usted toma. Haga que se la traduzcan o hable con alguien que la entienda.

Ce rapport contient des informations importantes sur votre eau potable. Traduisez-le ou parlez en avec quelqu'un qui le comprend bien.

Rapò sa a gen enfòmasyon ki enpòtan anpil sou dlo w'ap bwè a. Fè tradwi-l pou ou, oswa pale ak yon moun ki konprann sa ki ekri ladan-l.

Ten raport zawiera bardzo istotną informację o twojej wodzie pitnej. Przetłumacz go albo porozmawiaj z kimś kto go rozumie.

В этом материале содержится важная информация относительно вашей питьевой воды. Переведите его или поговорите с кем-нибудь из тех, кто понимает его содержание.

這個報告中包含有關你的飲用水的重要信息。請將此報告翻譯成你的語言或者詢問懂得這份報告的人。

이 보고서는 귀하의 식수에 관한 매우 중요한 정보를 포함하고 있습니다. 이 정보에 대해 이해하는 사람에게 그 정보를 번역하거나 통역해 받으십시오.

এই প্রতিবেদনে আপনার পানীয় জল সম্পর্কে গুরুত্বপূর্ণ তথ্য রয়েছে

يتضمن هذا التقرير معلومات هامة حول مياه الشرب الخاصة بك. ترجمه أو تحدث مع شخص يفهمه.

یہ رپورٹ آپ کے پینے کے پانی کے بارے میں اہم معلومات پر مشتمل ہے۔ اس کا ترجمہ کریں یا انسے بات کریں جو یہ رپورٹ سمجھتے ہیں۔

TURBIDITY & TOTAL COLIFORM

Turbidity is measured daily to determine the cloudiness of the water.

Ten microbiological samples are collected per month.

Public Water System Name: TARRYTOWN WATER Supply

Public Water System ID: NY 5903461

County: WESTCHESTER Town, Village or City: TARRYTOWN

Source Water Type(s): ☒ Surface

Reporting Month/Year: 01/2022 Date Report Submitted: 02/2022

- ☐ Ground
☐ GWUDI
☐ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| | | CHLORINATION | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | CAUSK SOOA GAL. PER DAY | |
|------|--|---|--------------------------------|--------------------------|--|--|-------------------------|----------------------|--------------------------------|-------------------------|-----------------------|
| Date | Source(s) in use | Treated water volume (GALLONS/DAY) x 1000 | Gaseous Cylinder weight (LBS.) | Chlorine used/Day (LBS.) | Liquid Hypochlorite added to crock (GALLONS OR QUARTS) | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | | Checked by (INITIALS) |
| 1 | DEL < | | | | | | | | | | |

Chlorine Mix Ratio = N/A quarts/gallons of N/A % chlorine added to N/A gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: mg/l

Reported by: STEPHEN G. COWLES Title: CHIEF OPERATOR NYSDOH Operator Certification Number: 0033075

Signature: Stephen G. Cowles Date: 02/08/22 Operator Grade Level: 1 B

Public Water System Name: TARRYTOWN WATER Supply

Public Water System ID: NY 5903461

County: WESTCHESTER

Town, Village or City: TARRYTOWN

Source Water Type(s): ☒ Surface

Reporting Month/Year: 01/2022
MM/YYYY

Date Report Submitted: 02/2022
MM/YYYY

☐ Ground

☐ GWUDI

☐ Purchase with subsequent chlorination

☐ Purchase w/out subsequent chlorination

☐ Log treatment required

| | | | CHLORINATION | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | |
|-------|---------------------|--|-----------------------------|-------------------------------|---|--|--|----------------------------|-------------------------------|------------------|----------|
| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | Gaseous | | Liquid | Free | UV Unit active (YES/NO) | Intensity meter >70% | Quartz | Checked | NTU P04 |
| | | | Cylinder weight (LBS) | Chlorine used/Day (LBS) | Hypochlorite added to crock (GALLONS OR QUARTS) | chlorine residual at entry point (mg/l) | | | sleeve cleaned (YES/NO) | by (INITIALS) | |
| 1 | | | | | | | | | | | .60 |
| 2 | | | | | | | | | | | .60 |
| 3 | | | | | | | | | | | .60 |
| 4 | | | | | | | | | | | .70 |
| 5 | | | | | | | | | | | .70 |
| 6 | | | | | | | | | | | .76 |
| 7 | | | | | | | | | | | .77 |
| 8 | | | | | | | | | | | .75 |
| 9 | | | | | | | | | | | .74 |
| 10 | | | | | | | | | | | .81 |
| 11 | | | | | | | | | | | .92 |
| 12 | | | | | | | | | | | .95 |
| 13 | | | | | | | | | | | .82 .871 |
| 14 | | | | | | | | | | | .79 |
| 15 | | | | | | | | | | | .80 |
| 16 | | | | | | | | | | | 1.00 |
| 17 | | | | | | | | | | | 1.80 |
| 18 | | | | | | | | | | | .91 |
| 19 | | | | | | | | | | | .85 |
| 20 | | | | | | | | | | | .88 |
| 21 | | | | | | | | | | | 1.19 |
| 22 | | | | | | | | | | | 1.0 |
| 23 | | | | | | | | | | | .90 |
| 24 | | | | | | | | | | | 1.04 |
| 25 | | | | | | | | | | | .95 |
| 26 | | | | | | | | | | | .93 |
| 27 | | | | | | | | | | | .90 .879 |
| 28 | | | | | | | | | | | .90 |
| 29 | | | | | | | | | | | .90 |
| 30 | | | | | | | | | | | .90 |
| 31 | | | | | | | | | | | .90 |
| TOTAL | | | | | | | | | | | 27.26 |
| AVG | | | | | | | | | | | .88 |

Chlorine Mix Ratio = N/A quarts/gallons of N/A % chlorine added to N/A gallons of water in crock.

Date UV quartz sleeve last cleaned: _____

MM/DD/YY

Date UV lamp replaced: _____

MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: _____

MM/DD/YY

Required Treatment Residual Level: _____

mg/l

Reported by: STEPHEN G. COULLES

Title: CHIEF OPERATOR

NYS DOH Operator
Certification Number: 0033075

Signature: Stephen G. Coules

Date: 02/08/22
MM/DD/YY

Operator Grade Level: 1/B

Microbiological Samples and Free Chlorine Residual

| Sample Location | Date of Sample | Sample Type 1. ROUTINE 2. REPEAT 3. TRIGGERED | Total Coliform Positive | | E. coli Positive | | Free Chlorine Residual (mg/l) |
|----------------------|----------------|--|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------|
| | | | Y | N | Y | N | |
| MARYMOUNT | 1/3/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.21 |
| HIGH TANK | 1/5/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .79 |
| WARNER LIBRARY | 1/7/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .41 |
| WASHINGTON ENGINE | 1/10/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .31 |
| VILLAGE HALL | 1/12/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .26 |
| MAIN ST. FIREHOUSE | 1/14/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .26 |
| DOUBLETREE HOTEL | 1/18/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .36 |
| TAPPAN LANDING APTS. | 1/20/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .42 |
| HACKLEY SCHOOL | 1/25/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .61 |
| DPW | 1/27/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .47 |
| HIGH TURB | 1/17/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.12 |
| HIGH TURB | 1/18/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .89 |
| HIGH TURB | 1/19/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.21 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Population Served: 11,000

Number of microbiological monitoring samples required: 10

Number of microbiological monitoring samples taken: 10

Did a M&R violation occur? ☐ Yes ☒ No

If "Yes," check reason (s) below:

- ☐ Actual number of samples is fewer than required
☐ Did not collect/analyze repeat sample
☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sample

Was triggered source water monitoring required? ☐ Yes ☒ No

Did a MCL violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information).

- ☐ For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
☐ For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
☐ The original sample was E.coli positive and at least 1 repeat sample was positive for total coliform (= E.coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

Sample collector(s): STEVE COWLES

Name of NYSDOH Certified Laboratory: WESTCHESTER COUNTY LABS & RESEARCH

Did any MCL violation occur? If so, please describe: NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain: NO

Comments:

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI
☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

Reporting Month/Year: 02/2022 Date Report Submitted: 03/2022
MM/YYYY MM/YYYY

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | |
|-------|------------------|------------------------------------|--------------|--------|--|-------------------------|--|--------------------------------|-----------------------|------|---|-----|
| | | | Gaseous | Liquid | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | P | H | |
| 1 | DEL | 843 | | | 8 | 1.12 | | | SC | 7.36 | | 8 |
| 2 | DEL | 1148 | | | 11 | 1.06 | | | SC | 7.41 | | 10 |
| 3 | DEL | 1815 | | | 15 | 1.12 | | | SC | 7.47 | | 16 |
| 4 | DEL | 606 | | | 6 | .97 | | | SC | 7.39 | | 6 |
| 5 | DEL | 895 | | | 7 | 1.21 | | | SC | 7.69 | | 8 |
| 6 | DEL | 1661 | | | 13 | 1.14 | | | SC | 7.23 | | 15 |
| 7 | DEL | 790 | | | 8 | .95 | | | SC | 7.29 | | 8 |
| 8 | DEL | 976 | | | 9 | 1.21 | | | SC | 7.71 | | 6 |
| 9 | DEL | 1636 | | | 13 | 1.49 | | | SC | 7.43 | | 10 |
| 10 | DEL | 720 | | | 6 | 1.28 | | | SC | 7.42 | | 4 |
| 11 | DEL | 1433 | | | 12 | 1.62 | | | SC | 7.34 | | 9 |
| 12 | DEL | 1086 | | | 10 | 1.29 | | | SC | 7.32 | | 7 |
| 13 | DEL | 869 | | | 7 | 1.23 | | | SC | 7.45 | | 8 |
| 14 | DEL | 1283 | | | 11 | 1.12 | | | SC | 7.73 | | 12 |
| 15 | DEL | 1223 | | | 10 | 1.00 | | | SC | 7.27 | | 13 |
| 16 | DEL | 952 | | | 8 | 1.08 | | | SC | 7.33 | | 8 |
| 17 | DEL | 1172 | | | 9 | 1.13 | | | SC | 7.46 | | 10 |
| 18 | DEL | 1384 | | | 10 | 1.18 | | | SC | 7.49 | | 8 |
| 19 | DEL | 767 | | | 5 | .90 | | | SC | 7.41 | | 7 |
| 20 | DEL | 1078 | | | 11 | 1.02 | | | SC | 7.43 | | 10 |
| 21 | DEL | 1549 | | | 13 | .90 | | | SC | 7.38 | | 15 |
| 22 | DEL | 574 | | | 5 | 1.08 | | | SC | 7.41 | | 6 |
| 23 | DEL | 1315 | | | 11 | 1.19 | | | SC | 7.35 | | 12 |
| 24 | DEL | 1186 | | | 10 | .81 | | | SC | 7.53 | | 8 |
| 25 | DEL | 758 | | | 7 | .93 | | | SC | 7.37 | | 5 |
| 26 | DEL | 1032 | | | 10 | 1.04 | | | SC | 7.47 | | 10 |
| 27 | DEL | 1457 | | | 13 | 1.07 | | | SC | 7.40 | | 13 |
| 28 | DEL | 621 | | | 5 | .91 | | | SC | 7.39 | | 5 |
| 29 | DEL | | | | | | | | | | | |
| 30 | DEL | | | | | | | | | | | |
| 31 | DEL | | | | | | | | | | | |
| TOTAL | | 30,828 | | | 263 | | | | | | | 258 |
| AVG | | 1,101 | | | 9 | 1.11 | | | | 7.43 | | 9 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075
Signature: Stephen G. Cowles Date: 03/09/22 Operator Grade Level: 1B
MM/DD/YY

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI

Reporting Month/Year: 02/2022 Date Report Submitted: 03/2022
MM/YYYY MM/YYYY

- ☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | Free chlorine residual at entry point (mg/l) | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | |
|-------|---------------------|--|--------------|--------|--|--|--|----------------------------|---|-----------------------------|------|------|
| | | | Gaseous | Liquid | | | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | NTU | PO4 |
| 1 | DEL | | | | | | | | | SC | .80 | |
| 2 | DEL | | | | | | | | | SC | .80 | |
| 3 | DEL | | | | | | | | | SC | 1.04 | |
| 4 | DEL | | | | | | | | | SC | .94 | |
| 5 | DEL | | | | | | | | | SC | 1.00 | |
| 6 | DEL | | | | | | | | | SC | .90 | |
| 7 | DEL | | | | | | | | | SC | .89 | |
| 8 | DEL | | | | | | | | | SC | 1.02 | |
| 9 | DEL | | | | | | | | | SC | .90 | |
| 10 | DEL | | | | | | | | | SC | .94 | .889 |
| 11 | DEL | | | | | | | | | SC | .91 | |
| 12 | DEL | | | | | | | | | SC | .91 | |
| 13 | DEL | | | | | | | | | SC | .95 | |
| 14 | DEL | | | | | | | | | SC | .87 | |
| 15 | DEL | | | | | | | | | SC | .95 | |
| 16 | DEL | | | | | | | | | SC | .98 | |
| 17 | DEL | | | | | | | | | SC | .90 | |
| 18 | DEL | | | | | | | | | SC | .92 | |
| 19 | DEL | | | | | | | | | SC | .98 | |
| 20 | DEL | | | | | | | | | SC | 1.00 | |
| 21 | DEL | | | | | | | | | SC | .98 | |
| 22 | DEL | | | | | | | | | SC | .86 | |
| 23 | DEL | | | | | | | | | SC | 1.00 | |
| 24 | DEL | | | | | | | | | SC | .90 | .887 |
| 25 | DEL | | | | | | | | | SC | .88 | |
| 26 | DEL | | | | | | | | | SC | .80 | |
| 27 | DEL | | | | | | | | | SC | .90 | |
| 28 | DEL | | | | | | | | | SC | .80 | |
| 29 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | |
| AVG | | | | | | | | | | | | |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075

Signature: [Signature] Date: 03/09/22 Operator Grade Level: 1B
MM/DD/YY

Microbiological Samples and Free Chlorine Residual

| Sample Location | Date of Sample | Sample Type 1. ROUTINE 2. REPEAT 3. TRIGGERED | Total Coliform Positive Y N | E. coli Positive Y N | Free Chlorine Residual (mg/l) |
|----------------------|----------------|--|--|--|-------------------------------|
| Marymount | 2/2/22 | 1 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | .86 |
| High Tank | 2/4/22 | 1 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | .23 |
| Main St. Firehouse | 2/7/22 | 1 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | .22 |
| Doubletree Hotel | 2/9/22 | 1 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | .47 |
| DPW | 2/11/22 | 1 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | .79 |
| Tappan Landing Apts. | 2/14/22 | 1 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | .86 |
| Hackley School | 2/16/22 | 1 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | .78 |
| Warner Library | 2/18/22 | 1 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | .32 |
| Washington Engine | 2/23/22 | 1 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | .34 |
| Village Hall | 2/25/22 | 1 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | .24 |
| | | | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> Y <input type="checkbox"/> N | |
| | | | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> Y <input type="checkbox"/> N | |
| | | | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> Y <input type="checkbox"/> N | |
| | | | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> Y <input type="checkbox"/> N | |
| | | | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> Y <input type="checkbox"/> N | |
| | | | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> Y <input type="checkbox"/> N | |
| | | | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> Y <input type="checkbox"/> N | |
| | | | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> Y <input type="checkbox"/> N | |
| | | | <input type="checkbox"/> Y <input type="checkbox"/> N | <input type="checkbox"/> Y <input type="checkbox"/> N | |

 Population Served: **12,000**

 Number of microbiological monitoring samples required: **10**

 Number of microbiological monitoring samples taken: **10**

 Did a M&R violation occur? ☐ Yes ☒ No

If "Yes," check reason (s) below:

- ☐ Actual number of samples is fewer than required
☐ Did not collect/analyze repeat sample
☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sample

 Was triggered source water monitoring required? ☐ Yes ☒ No

 Did a MCL violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information).

- ☐ For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
☐ For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
☐ The original sample was E.coli positive and at least 1 repeat sample was positive for total coliform (= E.coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

 Sample collector(s): **Steve Cowles**

 Name of NYSDOH Certified Laboratory: **Westchester County Labs and Research**

Did any MCL violation occur? If so, please describe:

NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain:

NO

Comments :

Public Water System Name: Village of Tarrytown Water Supply

Public Water System ID: NY 5903461

County: Westchester

Town, Village or City: Tarrytown

Reporting Month/Year: 03/2022
MM/YYYY

Date Report Submitted: 04/07/2022
MM/YYYY

Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI
☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | | CAUSTIC USED PER DAY |
|-------|---------------------|--|---|--------------------------------|---|--|-------------------------------|----------------------------|---|-----------------------------|------|-------------------------------|
| | | | Gaseous Cylinder weight (LBS.) | Chlorine used/Day (LBS.) | Liquid Hypochlorite added to crock (GALLONS OR QUARTS) | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | PH | |
| 1 | DEL | 1,170 | | | 12 | 1.07 | | | | SC | 7.37 | 13 |
| 2 | DEL | 1,432 | | | 13 | 1.05 | | | | SC | 7.43 | 15 |
| 3 | DEL | 675 | | | 6 | .99 | | | | SC | 7.43 | 5 |
| 4 | DEL | 1,193 | | | 10 | 1.22 | | | | SC | 7.46 | 11 |
| 5 | DEL | 1,088 | | | 11 | .94 | | | | SC | 7.32 | 10 |
| 6 | DEL | 914 | | | 8 | 1.04 | | | | SC | 7.50 | 6 |
| 7 | DEL | 1,456 | | | 12 | 1.18 | | | | SC | 7.49 | 14 |
| 8 | DEL | 816 | | | 6 | 1.15 | | | | SC | 7.44 | 7 |
| 9 | DEL | 991 | | | 7 | .93 | | | | SC | 7.32 | 7 |
| 10 | DEL | 1,677 | | | 13 | 1.13 | | | | SC | 7.52 | 14 |
| 11 | DEL | 397 | | | 2 | .85 | | | | SC | 7.33 | 3 |
| 12 | DEL | 1,741 | | | 14 | 1.00 | | | | SC | 7.45 | 15 |
| 13 | DEL | 1,741 | | | 15 | .96 | | | | SC | 7.28 | 14 |
| 14 | DEL | 1,557 | | | 13 | 1.24 | | | | SC | 7.52 | 12 |
| 15 | DEL | 1,291 | | | 10 | 1.11 | | | | SC | 7.32 | 10 |
| 16 | DEL | 196 | | | 2 | 1.00 | | | | SC | 7.30 | 2 |
| 17 | DEL | 1,855 | | | 15 | 1.04 | | | | SC | 7.42 | 14 |
| 18 | DEL | 0 | | | 0 | .87 | | | | SC | 7.31 | 0 |
| 19 | DEL | 1,442 | | | 12 | 2.19 | | | | SC | 7.56 | 12 |
| 20 | DEL | 1,419 | | | 16 | .87 | | | | SC | 7.42 | 10 |
| 21 | DEL | 2,454 | | | 19 | 1.61 | | | | SC | 7.48 | 18 |
| 22 | DEL | 1,153 | | | 9 | 1.40 | | | | SC | 7.48 | 11 |
| 23 | DEL | 1,575 | | | 13 | 1.08 | | | | SC | 7.61 | 13 |
| 24 | DEL | 986 | | | 8 | 1.22 | | | | SC | 7.54 | 6 |
| 25 | DEL | 936 | | | 8 | 1.29 | | | | SC | 7.46 | 6 |
| 26 | DEL | 1,282 | | | 11 | .90 | | | | SC | 7.35 | 9 |
| 27 | DEL | 1,050 | | | 18 | 1.02 | | | | SC | 7.39 | 8 |
| 28 | DEL | 1,126 | | | 16 | 1.06 | | | | SC | 7.30 | 8 |
| 29 | DEL | 1,155 | | | 12 | 1.05 | | | | SC | 7.39 | 9 |
| 30 | DEL | 1,110 | | | 12 | 1.08 | | | | SC | 7.39 | 5 |
| 31 | DEL | 1,103 | | | 10 | 1.06 | | | | SC | 7.38 | 10 |
| TOTAL | | 37,482 | | | 334 | | | | | | | 297 |
| AVG | | 1,209 | | | 11 | | | | | | 7.42 | 10 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: mg/l

Reported by: Stephen G. Cowles

Title: Chief Operator

NYSDOH Operator Certification Number: NY0033075

Signature: 

Date: 04/07/2022 MM/DD/YY Operator Grade Level: 1B

Public Water System Name: Village of Tarrytown Water Supply

Public Water System ID: NY 5903461

County: Westchester

Town, Village or City: Tarrytown

Source Water Type(s): ☒ Surface

☐ Ground

☐ GWUDI

☒ Purchase with subsequent chlorination

☐ Purchase w/out subsequent chlorination

☐ 4 log treatment required

Reporting Month/Year: 03/2022
MM/YYYY

Date Report Submitted: 04/2022
MM/YYYY

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | Checked by (INITIALS) | |
|-------|---------------------|--|---|--------------------------------|---|--|-------------------------------|----------------------------|---|-----------------------------|------|
| | | | Gaseous Cylinder weight (LBS.) | Chlorine used/Day (LBS.) | Liquid Hypochlorite added to crock (GALLONS OR QUARTS) | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | | |
| 1 | DEL | | | | | | | | | SC | .80 |
| 2 | DEL | | | | | | | | | SC | .80 |
| 3 | DEL | | | | | | | | | SC | .87 |
| 4 | DEL | | | | | | | | | SC | .88 |
| 5 | DEL | | | | | | | | | SC | .86 |
| 6 | DEL | | | | | | | | | SC | .88 |
| 7 | DEL | | | | | | | | | SC | .98 |
| 8 | DEL | | | | | | | | | SC | .80 |
| 9 | DEL | | | | | | | | | SC | .85 |
| 10 | DEL | | | | | | | | | SC | .93 |
| 11 | DEL | | | | | | | | | SC | .81 |
| 12 | DEL | | | | | | | | | SC | .76 |
| 13 | DEL | | | | | | | | | SC | .80 |
| 14 | DEL | | | | | | | | | SC | .99 |
| 15 | DEL | | | | | | | | | SC | .95 |
| 16 | DEL | | | | | | | | | SC | .84 |
| 17 | DEL | | | | | | | | | SC | 1.14 |
| 18 | DEL | | | | | | | | | SC | 1.13 |
| 19 | DEL | | | | | | | | | SC | 1.10 |
| 20 | DEL | | | | | | | | | SC | 1.10 |
| 21 | DEL | | | | | | | | | SC | 1.00 |
| 22 | DEL | | | | | | | | | SC | .90 |
| 23 | DEL | | | | | | | | | SC | .80 |
| 24 | DEL | | | | | | | | | SC | 1.10 |
| 25 | DEL | | | | | | | | | SC | 1.10 |
| 26 | DEL | | | | | | | | | SC | 1.10 |
| 27 | DEL | | | | | | | | | SC | .80 |
| 28 | DEL | | | | | | | | | SC | .80 |
| 29 | DEL | | | | | | | | | SC | .70 |
| 30 | DEL | | | | | | | | | SC | .80 |
| 31 | DEL | | | | | | | | | SC | .82 |
| TOTAL | | | | | | | | | | | |
| AVG | | | | | | | | | | | |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY

Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY

Required Treatment Residual Level: mg/l

Reported by: Stephen G. Cowles

Title: Chief Operator

NYSDOH Operator Certification Number: NY0033075

Signature: *Stephen G. Cowles*

Date: 04/07/2022
MM/DD/YY

Operator Grade Level: 1B

Microbiological Samples and Free Chlorine Residual

| Sample Location | Date of Sample | Sample Type 1 ROUTINE 2 REPEAT 3 TRIGGERED | Total Coliform Positive | | E. coli Positive | | Free Chlorine Residual (mg/l) |
|-------------------------|----------------|---|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------|
| | | | Y | N | Y | N | |
| MARYMOUNT | 3/2/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .95 |
| DOUBLETREE | 3/4/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .68 |
| VILLAGE HALL | 3/7/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .38 |
| WASHINGTON ENGINE | 3/9/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .23 |
| MAW ST. FIREHOUSE | 3/11/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .45 |
| WARNER LIBRARY | 3/14/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .26 |
| HACKLEY SCHOOL | 3/16/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .61 |
| DPW | 3/18/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .51 |
| HIGH TANK | 3/22/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .91 |
| TAPPAN LAUNDING | 3/24/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .68 |
| MAIN BREAK - WASHINGTON | 3/22/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .53 |
| MAIN BREAK - WASHINGTON | 3/23/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .50 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Population Served: 12,000

Number of microbiological monitoring samples required: 10

Number of microbiological monitoring samples taken: 10

Did a M&R violation occur? ☐ Yes ☒ No

If "Yes," check reason (s) below:

- ☐ Actual number of samples is fewer than required
☐ Did not collect/analyze repeat sample
☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sample

Was triggered source water monitoring required? ☐ Yes ☒ No

Did a MCL violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information).

- ☐ For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
☐ For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
☐ The original sample was E.coli positive and at least 1 repeat sample was positive for total coliform (= E.coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

Sample collector(s): Steve Cowles

Name of NYSDOH Certified Laboratory: Westchester County Labs and Research

Did any MCL violation occur? If so, please describe:

NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain:

NO

Comments:

Public Water System Name: Village of Tarrytown Water Supply

Public Water System ID: NY 5903461

County: Westchester

Town, Village or City: Tarrytown

Reporting Month/Year: 04/2022
MM/YYYY

Date Report Submitted: 05/1/2022
MM/YYYY

Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI
☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| | | | CHLORINATION | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | | |
|-------|---------------------|--|------------------------------|--------------------------------|---|--|-------------------------------|----------------------------|---|-----------------------------|------|---------------------------------------|
| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | Gaseous | | Liquid | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | PH | CAUSTIC SODA USED PER DAY |
| | | | Cylinder weight (LBS.) | Chlorine used/Day (LBS.) | Hypochlorite added to crock (GALLONS OR QUARTS) | | | | | | | |
| 1 | DEL | 1,106 | | | 12 | 1.07 | | | | SC | 7.36 | 10 |
| 2 | DEL | 1,025 | | | 10 | 1.25 | | | | SC | 7.22 | 10 |
| 3 | DEL | 1,262 | | | 11 | 1.31 | | | | SC | 7.73 | 12 |
| 4 | DEL | 1,502 | | | 18 | 1.15 | | | | SC | 7.79 | 13 |
| 5 | DEL | 1,116 | | | 9 | 1.14 | | | | SC | 7.71 | 5 |
| 6 | DEL | 1,280 | | | 11 | 1.19 | | | | SC | 7.34 | 12 |
| 7 | DEL | 1,094 | | | 9 | 1.38 | | | | SC | 7.47 | 11 |
| 8 | DEL | 1,154 | | | 12 | 1.31 | | | | SC | 7.40 | 11 |
| 9 | DEL | 1,201 | | | 13 | 1.86 | | | | SC | 7.44 | 13 |
| 10 | DEL | 1,079 | | | 13 | .94 | | | | SC | 7.31 | 7 |
| 11 | DEL | 1,105 | | | 16 | 1.61 | | | | SC | 7.38 | 13 |
| 12 | DEL | 1,989 | | | 10 | 1.79 | | | | SC | 7.39 | 10 |
| 13 | DEL | 1,183 | | | 10 | 1.39 | | | | SC | 7.36 | 12 |
| 14 | DEL | 1,164 | | | 13 | 1.13 | | | | SC | 7.71 | 12 |
| 15 | DEL | 1,031 | | | 9 | 1.07 | | | | SC | 7.27 | 8 |
| 16 | DEL | 1,144 | | | 14 | 1.11 | | | | SC | 7.46 | 8 |
| 17 | DEL | 1,287 | | | 12 | 1.41 | | | | SC | 7.34 | 11 |
| 18 | DEL | 1,048 | | | 10 | 1.02 | | | | SC | 7.28 | 8 |
| 19 | DEL | 1,657 | | | 5 | .94 | | | | SC | 7.30 | 5 |
| 20 | DEL | 1,788 | | | 15 | .97 | | | | SC | 7.36 | 14 |
| 21 | DEL | 915 | | | 7 | 1.02 | | | | SC | 7.31 | 7 |
| 22 | DEL | 1,023 | | | 13 | .90 | | | | SC | 7.27 | 8 |
| 23 | DEL | 1,077 | | | 10 | .92 | | | | SC | 7.31 | 9 |
| 24 | DEL | 1,199 | | | 13 | .98 | | | | SC | 7.38 | 10 |
| 25 | DEL | 1,126 | | | 14 | 1.10 | | | | SC | 7.31 | 10 |
| 26 | DEL | 1,619 | | | 15 | 1.14 | | | | SC | 7.22 | 13 |
| 27 | DEL | 1,937 | | | 17 | 1.21 | | | | SC | 7.39 | 20 |
| 28 | DEL | 1,316 | | | 13 | 1.19 | | | | SC | 7.36 | 11 |
| 29 | DEL | 1,157 | | | 11 | 1.17 | | | | SC | 7.31 | 11 |
| 30 | DEL | 1,531 | | | 13 | 1.12 | | | | SC | 7.33 | 13 |
| 31 | DEL | - | | | - | - | | | | SC | - | - |
| TOTAL | | 35,713 | | | 358 | | | | | | | 317 |
| AVG | | 1,190 | | | 12 | 1.19 | | | | | 7.39 | 11 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: 20 mg/l

Reported by: Stephen G. Cowles

Title: Chief Operator

NYSDOH Operator
Certification Number: NY0033075

Signature: *Stephen G. Cowles*

Date: 05/06/22
MM/DD/YY

Operator Grade Level: 1B

Public Water System Name: Village of Tarrytown Water Supply

Public Water System ID: NY 5903461

County: Westchester

Town, Village or City: Tarrytown

Source Water Type(s): ☒ Surface

☐ Ground

☐ GWUDI

☒ Purchase with subsequent chlorination

☐ Purchase w/out subsequent chlorination

☐ 4 log treatment required

Reporting Month/Year: 04/2022

MM/YYYY

Date Report Submitted: 05/2022

MM/YYYY

| | | CHLORINATION | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | | |
|-------|---------------------|--|------------------------------|--------------------------------|---|--|-------------------------------|----------------------------|---|-----------------------------|-------|-------|
| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | Gaseous | | Liquid | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | NTU | PO4 |
| | | | Cylinder weight (LBS.) | Chlorine used/Day (LBS.) | Hypochlorite added to crock (GALLONS OR QUARTS) | | | | | | | |
| 1 | DEL | | | | | | | | | SC | .98 | |
| 2 | DEL | | | | | | | | | SC | .90 | |
| 3 | DEL | | | | | | | | | SC | .80 | |
| 4 | DEL | | | | | | | | | SC | .87 | |
| 5 | DEL | | | | | | | | | SC | .80 | |
| 6 | DEL | | | | | | | | | SC | .98 | |
| 7 | DEL | | | | | | | | | SC | 1.20 | |
| 8 | DEL | | | | | | | | | SC | 1.50 | |
| 9 | DEL | | | | | | | | | SC | .92 | |
| 10 | DEL | | | | | | | | | SC | .72 | .882 |
| 11 | DEL | | | | | | | | | SC | .90 | |
| 12 | DEL | | | | | | | | | SC | 1.40 | |
| 13 | DEL | | | | | | | | | SC | 1.00 | |
| 14 | DEL | | | | | | | | | SC | 1.17 | |
| 15 | DEL | | | | | | | | | SC | 1.18 | |
| 16 | DEL | | | | | | | | | SC | 1.15 | |
| 17 | DEL | | | | | | | | | SC | 1.15 | |
| 18 | DEL | | | | | | | | | SC | 1.18 | |
| 19 | DEL | | | | | | | | | SC | 1.10 | |
| 20 | DEL | | | | | | | | | SC | 1.10 | |
| 21 | DEL | | | | | | | | | SC | 1.10 | |
| 22 | DEL | | | | | | | | | SC | 1.10 | |
| 23 | DEL | | | | | | | | | SC | 1.10 | |
| 24 | DEL | | | | | | | | | SC | 1.10 | .964 |
| 25 | DEL | | | | | | | | | SC | 1.10 | |
| 26 | DEL | | | | | | | | | SC | 1.10 | |
| 27 | DEL | | | | | | | | | SC | 1.10 | |
| 28 | DEL | | | | | | | | | SC | 1.10 | |
| 29 | DEL | | | | | | | | | SC | 1.08 | |
| 30 | DEL | | | | | | | | | SC | 1.09 | |
| 31 | DEL | | | | | | | | | SC | — | |
| TOTAL | | | | | | | | | | | 31.93 | 1.846 |
| AVG | | | | | | | | | | | 10 | .923 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY

Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY

Required Treatment Residual Level: 20 mg/l

Reported by: Stephen G. Cowles

Title: Chief Operator

NYSDOH Operator Certification Number: NY0033075

Signature:

Stephen G. Cowles

Date:

05/06/22

MM/DD/YY

Operator Grade Level:

1B

Microbiological Samples and Free Chlorine Residual

| Sample Location | Date of Sample | Sample Type 1. ROUTINE 2. REPEAT 3. TRIGGERED | Total Coliform Positive | | E. coli Positive | | Free Chlorine Residual (mg/l) |
|--------------------|----------------|--|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------|
| | | | Y | N | Y | N | |
| | | | | | | | |
| MARYMOUNT | 4/4/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .91 |
| HIGH TANK | 4/6/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .72 |
| DOUBLE TREE | 4/11/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .89 |
| WARNER LIBRARY | 4/13/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .45 |
| VILLAGE HALL | 4/18/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .28 |
| WASHINGTON ENGINE | 4/20/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .23 |
| DPW | 4/22/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .53 |
| MAIN ST. FIREHOUSE | 4/25/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .34 |
| HACKLEY SCHOOL | 4/27/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .86 |
| TAPPAN LANDING | 4/29/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .50 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| HIGH TURBIDITY | 4/8/22 | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1.15 |
| HIGH TURBIDITY | 4/9/22 | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1.27 |
| HIGH TURBIDITY | 4/14/22 | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1.30 |
| HIGH TURBIDITY | 4/15/22 | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1.06 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| MAIN BREAK | 4/26/22 | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | .97 |
| MAIN BREAK | 4/27/22 | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | .82 |

Population Served: 12,000

Number of microbiological monitoring samples required: 10

Number of microbiological monitoring samples taken: 10

Did a M&R violation occur?

☐ Yes ☒ No

If "Yes," check reason (s) below:

☐ Actual number of samples is fewer than required

☐ Did not collect/analyze repeat sample

☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sample

Was triggered source water monitoring required?

☐ Yes ☒ No

Did a MCL violation occur?

☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information).

☐ For systems collecting less than 40 samples per month; two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).

☐ For systems collecting 40 or more samples per month; more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).

☐ The original sample was E.coli positive and at least 1 repeat sample was positive for total coliform (= E.coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

Sample collector(s): Steve Cowles & Nick MALTESE

Name of NYSDOH Certified Laboratory: Westchester County Labs and Research

Did any MCL violation occur? If so, please describe:

NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain:

NO

Comments:

Public Water System Name: Village of Tarrytown Water Supply

Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown

Reporting Month/Year: 05/2022 Date Report Submitted: 06/2022

Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI
☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| CHLORINATION | | | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | | |
|--------------|---------------------|--|-----------------------------|-------------------------------|---|--|-------------------------------|----------------------------|---|-----------------------------|------|--------------------------------------|
| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | Gaseous | | Liquid | Free chlorine residual at entry point (MG/L) | UV Unit active (YES/NO) | Intensity meter ≥70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | PH | CAUSTIC SOA USED PER DAY |
| | | | Cylinder weight (LBS) | Chlorine used/Day (LBS) | Hypochlorite added to crock (GALLONS OR QUARTS) | | | | | | | |
| 1 | DEL | 1,224 | | | 15 | 1.00 | | | | SC | 7.33 | 9 |
| 2 | DEL | 1,106 | | | 19 | 1.56 | | | | SC | 7.35 | 9 |
| 3 | DEL | 1,211 | | | 16 | 1.27 | | | | SC | 7.36 | 7 |
| 4 | DEL | 1,282 | | | 17 | .93 | | | | SC | 7.35 | 10 |
| 5 | DEL | 1,182 | | | 15 | .88 | | | | SC | 7.31 | 9 |
| 6 | DEL | 1,350 | | | 18 | 1.07 | | | | SC | 7.37 | 10 |
| 7 | DEL | 46 | | | 3 | .90 | | | | SC | 7.31 | 1 |
| 8 | DEL | 1,308 | | | 16 | .86 | | | | SC | 7.33 | 11 |
| 9 | DEL | 2,022 | | | 19 | 1.38 | | | | SC | 7.38 | 15 |
| 10 | DEL | 1,173 | | | 16 | 1.11 | | | | SC | 7.35 | 8 |
| 11 | DEL | 1,458 | | | 15 | 1.46 | | | | SC | 7.34 | 14 |
| 12 | DEL | 1,222 | | | 12 | 1.13 | | | | SC | 7.34 | 9 |
| 13 | DEL | 1,145 | | | 11 | 1.19 | | | | SC | 7.35 | 4 |
| 14 | DEL | 1,192 | | | 12 | 1.64 | | | | SC | 7.36 | 9 |
| 15 | DEL | 1,412 | | | 13 | 1.55 | | | | SC | 7.34 | 13 |
| 16 | DEL | 1,381 | | | 13 | 1.61 | | | | SC | 7.33 | 12 |
| 17 | DEL | 1,138 | | | 12 | 1.20 | | | | SC | 7.28 | 10 |
| 18 | DEL | 1,142 | | | 13 | 1.59 | | | | SC | 7.38 | 10 |
| 19 | DEL | 1,136 | | | 11 | 1.40 | | | | SC | 7.35 | 7 |
| 20 | DEL | 1,483 | | | 16 | 1.41 | | | | SC | 7.46 | 15 |
| 21 | DEL | 1,371 | | | 16 | 1.62 | | | | SC | 7.41 | 14 |
| 22 | DEL | 1,229 | | | 13 | 1.22 | | | | SC | 7.36 | 7 |
| 23 | DEL | 1,100 | | | 12 | 1.68 | | | | SC | 7.43 | 9 |
| 24 | DEL | 1,238 | | | 14 | 1.50 | | | | SC | 7.35 | 13 |
| 25 | DEL | 1,590 | | | 15 | 1.44 | | | | SC | 7.37 | 15 |
| 26 | DEL | 1,262 | | | 13 | 1.14 | | | | SC | 7.48 | 13 |
| 27 | DEL | 1,433 | | | 14 | 1.24 | | | | SC | 7.37 | 14 |
| 28 | DEL | 124 | | | 3 | 1.24 | | | | SC | 7.39 | 2 |
| 29 | DEL | 897 | | | 5 | 1.91 | | | | SC | 7.31 | 5 |
| 30 | DEL | 2,033 | | | 18 | 1.12 | | | | SC | 7.35 | 21 |
| 31 | DEL | 1,482 | | | 15 | 1.15 | | | | SC | 7.50 | 11 |
| TOTAL | | 38,379 | | | 419 | | | | | | | 317 |
| AVG | | 1,238 | | | 14 | 1.27 | | | | | 7.36 | 10 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: 1.20 mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075

Signature: [Signature] Date: 06/08/2022 Operator Grade Level: 1B

Public Water System Name: Village of Tarrytown Water Supply

Public Water System ID: NY 5903461

County: Westchester

Town, Village or City: Tarrytown

Source Water Type(s): ☒ Surface

☐ Ground

☐ GWUDI

☒ Purchase with subsequent chlorination

☐ Purchase w/out subsequent chlorination

☐ 4 log treatment required

Reporting Month/Year: 05/2022
MM/YYYY

Date Report Submitted: 06/2022
MM/YYYY

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | |
|-------|---------------------|--|--------------------------------------|-----------------------------|---|--|--|----------------------------|---------------------------------------|---------------------------|
| | | | Gaseous Cylinder weight LBS | Chlorine used/Day LBS | Liquid Hypochlorite added to crock (GALLONS OR QUARTS) | Free chlorine residual at entry point mg/l | UV Unit active YES/NO | Intensity meter >70% | Quartz sleeve cleaned YES/NO | Checked by INITIALS |
| 1 | DEL | | | | | | | | | SC 1.00 |
| 2 | DEL | | | | | | | | | SC 1.14 |
| 3 | DEL | | | | | | | | | SC 1.14 |
| 4 | DEL | | | | | | | | | SC .97 |
| 5 | DEL | | | | | | | | | SC 1.10 .989 |
| 6 | DEL | | | | | | | | | SC 1.00 |
| 7 | DEL | | | | | | | | | SC 1.08 |
| 8 | DEL | | | | | | | | | SC .98 |
| 9 | DEL | | | | | | | | | SC 1.20 |
| 10 | DEL | | | | | | | | | SC 1.20 |
| 11 | DEL | | | | | | | | | SC 1.10 |
| 12 | DEL | | | | | | | | | SC 1.00 |
| 13 | DEL | | | | | | | | | SC 1.20 |
| 14 | DEL | | | | | | | | | SC 1.00 |
| 15 | DEL | | | | | | | | | SC .90 |
| 16 | DEL | | | | | | | | | SC 1.10 |
| 17 | DEL | | | | | | | | | SC 1.00 |
| 18 | DEL | | | | | | | | | SC 1.00 |
| 19 | DEL | | | | | | | | | SC .80 .968 |
| 20 | DEL | | | | | | | | | SC 1.05 |
| 21 | DEL | | | | | | | | | SC .80 |
| 22 | DEL | | | | | | | | | SC .70 |
| 23 | DEL | | | | | | | | | SC .70 |
| 24 | DEL | | | | | | | | | SC .80 |
| 25 | DEL | | | | | | | | | SC 1.00 |
| 26 | DEL | | | | | | | | | SC .93 |
| 27 | DEL | | | | | | | | | SC 1.06 |
| 28 | DEL | | | | | | | | | SC .97 |
| 29 | DEL | | | | | | | | | SC 1.15 |
| 30 | DEL | | | | | | | | | SC .85 |
| 31 | DEL | | | | | | | | | SC .92 |
| TOTAL | | | | | | | | | | 3084 1.96 |
| AVG | | | | | | | | | | .99 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock

Date UV quartz sleeve last cleaned:

Date UV lamp replaced:

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation:

Required Treatment Residual Level: 20 mg/l

Reported by: Stephen G. Cowles

Title: Chief Operator

NYSDOH Operator Certification Number: NY0033075

Signature:

Stephen G. Cowles

Date:

Operator Grade Level: 1B

Microbiological Samples and Free Chlorine Residual

Population Served: 12,000

Number of microbiological monitoring samples required: 10

Number of microbiological monitoring samples taken: 10

Did a M&R violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below:

- ☐ Actual number of samples is fewer than required
- ☐ Did not collect/analyze repeat sample
- ☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sample

Was triggered source water monitoring required? ☐ Yes ☒ No

Did a MCL violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information).

- ☐ For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
- ☐ For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
- ☐ The original sample was E.coli positive and at least 1 repeat sample was positive for total coliform (= E.coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

| Sample Location | Date of Sample | Sample Type 1. ROUTINE 2. REPEAT 3. TRIGGERED | Total Coliform Positive | | E. coli Positive | | Free Chlorine Residual (mg/l) |
|---------------------|----------------|--|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------|
| | | | Y | N | Y | N | |
| MARYMOUNT | 5/2/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .84 |
| HIGH TANK | 5/4/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .97 |
| MAIN ST. FIREHOUSE | 5/16/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .59 |
| HACKLEY SCHOOL | 5/10/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .60 |
| VILLAGE HALL | 5/12/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .32 |
| DPLD | 5/14/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .33 |
| DOUBLETREE HOTEL | 5/16/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .27 |
| LEWIS LIBRARY | 5/20/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .32 |
| WASHINGTON ENGINE | 5/25/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .69 |
| TAPPAN LANDING APTS | 5/27/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .89 |
| MAIN BREAK-ALTIMA | 5/31/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .49 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Sample collector(s): Steve Cowles and Nick MALTESE
Name of NYSDOH Certified Laboratory: Westchester County Labs and Research

Did any MCL violation occur? If so, please describe:

NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain:

NO

Comments:

Public Water System Name: Village of Tarrytown Water Supply

Public Water System ID: NY 5903461

County: Westchester

Town, Village or City: Tarrytown

Source Water Type(s): ☒ Surface

☐ Ground

☐ GWUDI

☒ Purchase with subsequent chlorination

☐ Purchase w/out subsequent chlorination

☐ 4 log treatment required

Reporting Month/Year: 06/2022

Date Report Submitted: 07/2022

| | | | CHLORINATION | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | | CAUSTIC |
|-------|---------------------|--|-----------------------------|-------------------------------|---|--|-------------------------------|----------------------------|---|-----------------------------|------|----------------------------|
| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | Gaseous | | Liquid | Free | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | PH | GAL. USED PER DAY |
| | | | Cylinder weight (LBS) | Chlorine used/Day (LBS) | Hypochlorite added to crock (GALLONS OF QUARTZ) | chlorine residual at entry point (mg/l) | | | | | | |
| 1 | DEL | 1,169 | | | 17 | 1.28 | | | | SC | 7.29 | 9 |
| 2 | DEL | 1,341 | | | 23 | 1.10 | | | | SC | 7.54 | 15 |
| 3 | DEL | 1,509 | | | 26 | 1.47 | | | | SC | 7.34 | 17 |
| 4 | DEL | 1,169 | | | 15 | .91 | | | | SC | 7.33 | 15 |
| 5 | DEL | 1,409 | | | 20 | .93 | | | | SC | 7.29 | 19 |
| 6 | DEL | 1,384 | | | 18 | 1.06 | | | | SC | 7.30 | 18 |
| 7 | DEL | 1,325 | | | 22 | .90 | | | | SC | 7.28 | 17 |
| 8 | DEL | 1,428 | | | 23 | .89 | | | | SC | 7.36 | 14 |
| 9 | DEL | 1,188 | | | 18 | 1.01 | | | | SC | 7.39 | 12 |
| 10 | DEL | 1,355 | | | 17 | 1.14 | | | | SC | 7.36 | 18 |
| 11 | DEL | 1,433 | | | 29 | 1.05 | | | | SC | 7.31 | 15 |
| 12 | DEL | 1,214 | | | 16 | 1.11 | | | | SC | 7.37 | 14 |
| 13 | DEL | 1,449 | | | 26 | 1.07 | | | | SC | 7.35 | 16 |
| 14 | DEL | 1,254 | | | 24 | .90 | | | | SC | 7.43 | 15 |
| 15 | DEL | 1,489 | | | 25 | 1.00 | | | | SC | 7.36 | 23 |
| 16 | DEL | 1,431 | | | 24 | .96 | | | | SC | 7.32 | 18 |
| 17 | DEL | 1,221 | | | 22 | 1.04 | | | | SC | 7.45 | 15 |
| 18 | DEL | 1,439 | | | 23 | .94 | | | | SC | 7.34 | 26 |
| 19 | DEL | 1,210 | | | 14 | 1.08 | | | | SC | 7.41 | 18 |
| 20 | DEL | 1,459 | | | 26 | .99 | | | | SC | 7.41 | 20 |
| 21 | DEL | 1,192 | | | 20 | 1.04 | | | | SC | 7.40 | 16 |
| 22 | DEL | 1,230 | | | 23 | 1.13 | | | | SC | 7.36 | 21 |
| 23 | DEL | 1,297 | | | 22 | 1.10 | | | | SC | 7.35 | 15 |
| 24 | DEL | 1,646 | | | 29 | 1.16 | | | | SC | 7.42 | 20 |
| 25 | DEL | 1,542 | | | 26 | 1.14 | | | | SC | 7.48 | 18 |
| 26 | DEL | 1,425 | | | 23 | .90 | | | | SC | 7.42 | 21 |
| 27 | DEL | 1,395 | | | 22 | 1.22 | | | | SC | 7.35 | 14 |
| 28 | DEL | 1,463 | | | 12 | 1.08 | | | | SC | 7.33 | 13 |
| 29 | DEL | 1,310 | | | 24 | 1.55 | | | | SC | 7.36 | 20 |
| 30 | DEL | 1,876 | | | 29 | 1.86 | | | | SC | 7.32 | 25 |
| 31 | DEL | | | | | | | | | SC | | |
| TOTAL | | | | | 658 | | | | | | | 516 |
| AVG | | | | | 22 | 1.10 | | | | | 7.37 | 17 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.


Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: 2.0 mg/l

Reported by: Stephen G. Cowles

Title: Chief Operator

NYSDOH Operator Certification Number: NY0033075

Signature: 

Date: 07/08/22

Operator Grade Level: 1B

Public Water System Name: Village of Tarrytown Water Supply

Public Water System ID: NY 5903461

County: Westchester

Town, Village or City: Tarrytown

Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI
☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ Log treatment required

Reporting Month/Year: MM/YYYY

Date Report Submitted: MM/YYYY

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | |
|-------|---------------------|--|--|-------------------------------|---|--|--|----------------------------|---|-----------------------------|-------|--------------|
| | | | Gaseous Cylinder weight (LBS) | Chlorine used/Day (LBS) | Liquid Hypochlorite added to crock (GALLONS OR QUARTS) | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | NTU | POE ORTHO |
| 1 | DEL | | | | | | | | | SC | .84 | |
| 2 | DEL | | | | | | | | | SC | .87 | .991 |
| 3 | DEL | | | | | | | | | SC | .93 | |
| 4 | DEL | | | | | | | | | SC | .84 | |
| 5 | DEL | | | | | | | | | SC | .85 | |
| 6 | DEL | | | | | | | | | SC | .95 | |
| 7 | DEL | | | | | | | | | SC | .88 | |
| 8 | DEL | | | | | | | | | SC | .85 | |
| 9 | DEL | | | | | | | | | SC | .84 | |
| 10 | DEL | | | | | | | | | SC | 1.10 | |
| 11 | DEL | | | | | | | | | SC | 1.00 | |
| 12 | DEL | | | | | | | | | SC | .90 | |
| 13 | DEL | | | | | | | | | SC | .99 | |
| 14 | DEL | | | | | | | | | SC | .93 | |
| 15 | DEL | | | | | | | | | SC | .99 | |
| 16 | DEL | | | | | | | | | SC | .91 | 1.01 |
| 17 | DEL | | | | | | | | | SC | .78 | |
| 18 | DEL | | | | | | | | | SC | .79 | |
| 19 | DEL | | | | | | | | | SC | .81 | |
| 20 | DEL | | | | | | | | | SC | .75 | |
| 21 | DEL | | | | | | | | | SC | .78 | |
| 22 | DEL | | | | | | | | | SC | .99 | |
| 23 | DEL | | | | | | | | | SC | .74 | |
| 24 | DEL | | | | | | | | | SC | .83 | |
| 25 | DEL | | | | | | | | | SC | .97 | |
| 26 | DEL | | | | | | | | | SC | .87 | |
| 27 | DEL | | | | | | | | | SC | 1.05 | |
| 28 | DEL | | | | | | | | | SC | .85 | |
| 29 | DEL | | | | | | | | | SC | 1.00 | |
| 30 | DEL | | | | | | | | | SC | 1.20 | 1.01 |
| 31 | DEL | | | | | | | | | SC | | |
| TOTAL | | | | | | | | | | | 27.08 | |
| AVG | | | | | | | | | | | .90 | 1.00 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: 20 mg/l

Reported by: Stephen G. Cowles

Title: Chief Operator

NYSDOH Operator Certification Number: NY0033075

Signature: 

Date: 07/08/22 MM/DD/YY

Operator Grade Level: 1B

Microbiological Samples and Free Chlorine Residual

| Sample Location | Date of Sample | Sample Type 1 ROUTINE 2 REPEAT 3 TRIGGERED | Total Coliform Positive | | E. coli Positive | | Free Chlorine Residual mg/L |
|-------------------------|----------------|---|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------------|
| | | | Y | N | Y | N | |
| Marymount | 6/1/22 | 1 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.07 |
| WASHINGTON ENGINE | 6/3/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .86 |
| MAIN ST. FIREHOUSE | 6/6/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .47 |
| DOUBLETREE HOTEL | 6/8/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .44 |
| DPW | 6/10/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .41 |
| Village Hall | 6/13/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .77 |
| HACKLEY SCHOOL | 6/15/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .69 |
| WARREN LIBRARY | 6/17/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .45 |
| HIGH TANK | 6/20/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .30 |
| Tappan Landing Apt. | 6/22/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .43 |
| Marymount | 6/2/22 | 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.14 |
| Marymount DOWNSTREAM | 6/2/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.12 |
| Marymount UPSTREAM | 6/2/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.07 |
| MAIN BREAK - ALPAMOUNT | 6/1/22 | 1 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .61 |
| MAIN BREAK - " " | 6/2/22 | 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .96 |
| MAIN BREAK - UPSTREAM | 6/2/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .87 |
| MAIN BREAK - DOWNSTREAM | 6/2/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .69 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Population Served: 12,000

Number of microbiological monitoring samples required: 10

Number of microbiological monitoring samples taken: 10

Did a M&R violation occur? ☐ Yes ☒ No

If "Yes," check reason (s) below:

☐ Actual number of samples is fewer than required☐ Did not collect/analyze repeat sample☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sampleWas triggered source water monitoring required? ☐ Yes ☒ NoDid a MCL violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information).

☐ For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).☐ For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).☐ The original sample was E. coli positive and at least 1 repeat sample was positive for total coliform (= E. coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

Sample collector(s): Steve Cowles and Nick MALTESE

Name of NYSDOH Certified Laboratory: Westchester County Labs and Research

Did any MCL violation occur? If so, please describe:

NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain:

NO

Comments:

MAIN BREAK POSITIVE SAMPLE WAS 5/31/22. ALL RESAMPLES WERE START OF JUNE, SEE ABOVE.

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI

Reporting Month/Year: 07/2022 Date Report Submitted: 08/2022
MM/YYYY MM/YYYY

☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| | | | CHLORINATION | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | |
|-------|------------------|------------------------------------|------------------------|--------------------------|---|--|--|----------------------|--------------------------------|-----------------------|------|-----|
| | | | Gaseous | | Liquid | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | P | H |
| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | Cylinder weight (LBS.) | Chlorine used/Day (LBS.) | Hypochlorite added to crock (GALLONS OR QUARTS) | | | | | | | |
| 1 | DEL | 1,515 | | | 35 | 1.65 | | | | SC | 7.41 | 19 |
| 2 | DEL | 1,972 | | | 30 | 1.47 | | | | SC | 7.30 | 6 |
| 3 | DEL | 1,445 | | | 28 | 1.91 | | | | SC | 7.39 | 13 |
| 4 | DEL | 899 | | | 16 | 2.20 | | | | SC | 7.44 | 15 |
| 5 | DEL | 2,132 | | | 34 | 1.90 | | | | SC | 7.41 | 9 |
| 6 | DEL | 1,340 | | | 22 | 1.78 | | | | SC | 7.44 | 12 |
| 7 | DEL | 2,030 | | | 28 | 1.51 | | | | SC | 7.24 | 16 |
| 8 | DEL | 1,414 | | | 22 | 1.88 | | | | SC | 7.35 | 10 |
| 9 | DEL | 1,625 | | | 25 | 1.41 | | | | SC | 7.37 | 2 |
| 10 | DEL | 1,436 | | | 19 | 1.34 | | | | SC | 7.39 | 11 |
| 11 | DEL | 1,574 | | | 18 | 1.29 | | | | SC | 7.39 | 7 |
| 12 | DEL | 1,706 | | | 28 | 1.22 | | | | SC | 7.40 | 10 |
| 13 | DEL | 2,141 | | | 35 | 1.46 | | | | SC | 7.49 | 13 |
| 14 | DEL | 1,868 | | | 15 | 1.33 | | | | SC | 7.43 | 15 |
| 15 | DEL | 1,915 | | | 19 | 1.30 | | | | SC | 7.36 | 9 |
| 16 | DEL | 2,091 | | | 27 | 1.71 | | | | SC | 7.34 | 11 |
| 17 | DEL | 1,106 | | | 14 | 1.45 | | | | SC | 7.49 | 15 |
| 18 | DEL | 2,112 | | | 31 | 1.39 | | | | SC | 7.49 | 11 |
| 19 | DEL | 1,360 | | | 22 | 1.46 | | | | SC | 7.49 | 10 |
| 20 | DEL | 2,105 | | | 29 | 1.52 | | | | SC | 7.50 | 15 |
| 21 | DEL | 1,156 | | | 16 | 1.57 | | | | SC | 7.50 | 12 |
| 22 | DEL | 2,105 | | | 25 | 1.34 | | | | SC | 7.44 | 10 |
| 23 | DEL | 1,973 | | | 20 | 2.01 | | | | SC | 7.49 | 24 |
| 24 | DEL | 1,499 | | | 19 | 1.88 | | | | SC | 7.50 | 11 |
| 25 | DEL | 1,729 | | | 23 | 1.73 | | | | SC | 7.42 | 16 |
| 26 | DEL | 1,931 | | | 27 | 1.62 | | | | SC | 7.41 | 20 |
| 27 | DEL | 1,550 | | | 24 | 1.68 | | | | SC | 7.48 | 19 |
| 28 | DEL | 1,847 | | | 26 | 1.44 | | | | SC | 7.51 | 16 |
| 29 | DEL | 1,709 | | | 29 | 1.46 | | | | SC | 7.45 | 19 |
| 30 | DEL | 2,063 | | | 31 | 1.68 | | | | SC | 7.41 | 19 |
| 31 | DEL | 1,160 | | | 18 | 1.68 | | | | SC | 7.78 | 21 |
| TOTAL | | 52,508 | | | 755 | | | | | | | 414 |
| AVG | | 1,694 | | | 24 | 1.59 | | | | | 7.44 | 13 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: .20 mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075

Signature: Stephen G. Cowles Date: 08/09/22 Operator Grade Level: 1B
MM/DD/YY

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI

Reporting Month/Year: 07/2022 Date Report Submitted: 08/2022
MM/YYYY MM/YYYY

☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | | |
|-------|---------------------|--|--------------|--------|--|--|----------------------------|---|-----------------------------|-------|-------|--|
| | | | Gaseous | Liquid | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | | | |
| 1 | DEL | | | | | | | | SC | 1.20 | | |
| 2 | DEL | | | | | | | | SC | 1.00 | | |
| 3 | DEL | | | | | | | | SC | 1.20 | | |
| 4 | DEL | | | | | | | | SC | .90 | | |
| 5 | DEL | | | | | | | | SC | 1.00 | | |
| 6 | DEL | | | | | | | | SC | .90 | | |
| 7 | DEL | | | | | | | | SC | .78 | | |
| 8 | DEL | | | | | | | | SC | .97 | | |
| 9 | DEL | | | | | | | | SC | .88 | | |
| 10 | DEL | | | | | | | | SC | 1.00 | | |
| 11 | DEL | | | | | | | | SC | 1.30 | | |
| 12 | DEL | | | | | | | | SC | .91 | | |
| 13 | DEL | | | | | | | | SC | .93 | | |
| 14 | DEL | | | | | | | | SC | .85 | .894 | |
| 15 | DEL | | | | | | | | SC | .83 | | |
| 16 | DEL | | | | | | | | SC | .84 | | |
| 17 | DEL | | | | | | | | SC | .89 | | |
| 18 | DEL | | | | | | | | SC | .88 | | |
| 19 | DEL | | | | | | | | SC | .83 | | |
| 20 | DEL | | | | | | | | SC | 1.01 | | |
| 21 | DEL | | | | | | | | SC | .90 | | |
| 22 | DEL | | | | | | | | SC | 1.04 | | |
| 23 | DEL | | | | | | | | SC | 1.04 | | |
| 24 | DEL | | | | | | | | SC | .95 | | |
| 25 | DEL | | | | | | | | SC | 1.15 | | |
| 26 | DEL | | | | | | | | SC | .92 | | |
| 27 | DEL | | | | | | | | SC | 1.04 | | |
| 28 | DEL | | | | | | | | SC | .72 | .963 | |
| 29 | DEL | | | | | | | | SC | .80 | | |
| 30 | DEL | | | | | | | | SC | .95 | | |
| 31 | DEL | | | | | | | | SC | .79 | | |
| TOTAL | | | | | | | | | | 29.40 | 1.857 | |
| AVG | | | | | | | | | | .95 | .928 | |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: .20 mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075

Signature: Stephen G. Cowles Date: 08/09/22 Operator Grade Level: 1B
MM/DD/YY

Microbiological Samples and Free Chlorine Residual

| Sample Location | Date of Sample | Sample Type 1. ROUTINE 2. REPEAT 3. TRIGGERED | Total Coliform Positive | | E. coli Positive | | Free Chlorine Residual (mg/l) |
|--------------------|----------------|--|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------|
| | | | Y | N | Y | N | |
| Marymount | 7/5/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.09 |
| High Tank | 7/7/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .39 |
| Warner Library | 7/11/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .23 |
| Hackley School | 7/13/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .57 |
| Tappan Landing | 7/15/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .55 |
| Village Hall | 7/18/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .61 |
| Washington Engine | 7/20/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .41 |
| Main St. Firehouse | 7/22/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .72 |
| Doubletree Hotel | 7/25/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .40 |
| DPW | 7/27/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .67 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Population Served: 12,000

Number of microbiological monitoring samples required: 10

Number of microbiological monitoring samples taken: 10

Did a M&R violation occur? ☐ Yes ☒ No

If "Yes," check reason (s) below:

- ☐ Actual number of samples is fewer than required
- ☐ Did not collect/analyze repeat sample
- ☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sample

Was triggered source water monitoring required? ☐ Yes ☒ NoDid a MCL violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information).

- ☐ For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
- ☐ For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
- ☐ The original sample was E.coli positive and at least 1 repeat sample was positive for total coliform (= E.coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

Sample collector(s): Steve Cowles & Nick Maltese

Name of NYSDOH Certified Laboratory: Westchester County Labs and Research

Did any MCL violation occur? If so, please describe:

NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain:

NO

Comments :

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI

Reporting Month/Year: 08/2022 Date Report Submitted: 09/2022
MM/YYYY MM/YYYY

- ☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | | P | H | CLAUDE S. B. 4-15-18 USE PER DAY |
|-------|------------------|------------------------------------|--------------|--------|--|--|----------------------|--------------------------------|-----------------------|--|--|------|-----|----------------------------------|
| | | | Gaseous | Liquid | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | | | | | |
| 1 | DEL | 1,354 | | | 24 | 1.32 | | | SC | | | 7.43 | 33 | |
| 2 | DEL | 2,062 | | | 36 | 1.65 | | | SC | | | 7.55 | 37 | |
| 3 | DEL | 1,521 | | | 21 | .93 | | | SC | | | 7.63 | 14 | |
| 4 | DEL | 2,072 | | | 30 | 1.11 | | | SC | | | 7.61 | 16 | |
| 5 | DEL | 2,023 | | | 32 | 1.16 | | | SC | | | 7.60 | 17 | |
| 6 | DEL | 1,299 | | | 19 | .99 | | | SC | | | 7.55 | 11 | |
| 7 | DEL | 2,086 | | | 22 | 1.21 | | | SC | | | 7.67 | 16 | |
| 8 | DEL | 2,085 | | | 28 | 1.87 | | | SC | | | 7.55 | 15 | |
| 9 | DEL | 2,114 | | | 26 | 1.91 | | | SC | | | 7.52 | 18 | |
| 10 | DEL | 1,518 | | | 20 | 1.50 | | | SC | | | 7.58 | 13 | |
| 11 | DEL | 2,154 | | | 28 | 1.10 | | | SC | | | 7.56 | 18 | |
| 12 | DEL | 1,853 | | | 30 | 1.54 | | | SC | | | 7.67 | 16 | |
| 13 | DEL | 1,621 | | | 22 | 1.58 | | | SC | | | 7.72 | 16 | |
| 14 | DEL | 2,052 | | | 34 | 1.47 | | | SC | | | 7.53 | 19 | |
| 15 | DEL | 1,492 | | | 23 | 1.44 | | | SC | | | 7.59 | 12 | |
| 16 | DEL | 1,753 | | | 24 | 1.51 | | | SC | | | 7.56 | 15 | |
| 17 | DEL | 2,098 | | | 33 | 1.44 | | | SC | | | 7.58 | 20 | |
| 18 | DEL | 1,999 | | | 28 | 1.29 | | | SC | | | 7.55 | 17 | |
| 19 | DEL | 1,938 | | | 29 | 1.31 | | | SC | | | 7.57 | 18 | |
| 20 | DEL | 1,280 | | | 24 | 1.16 | | | SC | | | 7.60 | 12 | |
| 21 | DEL | 1,967 | | | 30 | 1.52 | | | SC | | | 7.64 | 19 | |
| 22 | DEL | 1,115 | | | 17 | 1.34 | | | SC | | | 7.63 | 9 | |
| 23 | DEL | 1,929 | | | 22 | 1.31 | | | SC | | | 7.56 | 17 | |
| 24 | DEL | 1,300 | | | 19 | .98 | | | SC | | | 7.65 | 11 | |
| 25 | DEL | 1,936 | | | 28 | 1.11 | | | SC | | | 7.65 | 19 | |
| 26 | DEL | 1,926 | | | 27 | 1.08 | | | SC | | | 7.64 | 18 | |
| 27 | DEL | 1,352 | | | 22 | 1.92 | | | SC | | | 7.69 | 11 | |
| 28 | DEL | 1,923 | | | 30 | 1.31 | | | SC | | | 7.53 | 18 | |
| 29 | DEL | 1,913 | | | 29 | 1.56 | | | SC | | | 7.60 | 17 | |
| 30 | DEL | 1,720 | | | 27 | 1.59 | | | SC | | | 7.64 | 13 | |
| 31 | DEL | 1,412 | | | 24 | 1.88 | | | SC | | | 7.49 | 12 | |
| TOTAL | | 54,865 | | | 809 | | | | | | | | 478 | |
| AVG | | 1,770 | | | 26 | 1.39 | | | | | | 7.59 | 15 | |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: .20 mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075

Signature: Stephen G. Cowles Date: 09/09/20 Operator Grade Level: 1B
MM/DD/YY

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown Source Water Type(s): ☒ Surface

Reporting Month/Year: 08/2022 Date Report Submitted: 09/2022
MM/YYYY MM/YYYY

☐ Ground
☐ GWUDI
☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| | | | CHLORINATION | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | |
|-------|------------------|------------------------------------|------------------------|--------------------------|---|--|--|----------------------|--------------------------------|-----------------------|-------|------|
| | | | Gaseous | | Liquid | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | NTU | PO4 |
| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | Cylinder weight (LBS.) | Chlorine used/Day (LBS.) | Hypochlorite added to crock (GALLONS OR QUARTS) | | | | | | | |
| 1 | DEL | | | | | | | | | SC | 1.0 | |
| 2 | DEL | | | | | | | | | SC | .76 | |
| 3 | DEL | | | | | | | | | SC | 1.2 | |
| 4 | DEL | | | | | | | | | SC | 1.7 | |
| 5 | DEL | | | | | | | | | SC | 1.0 | |
| 6 | DEL | | | | | | | | | SC | .90 | |
| 7 | DEL | | | | | | | | | SC | 1.0 | |
| 8 | DEL | | | | | | | | | SC | 1.3 | |
| 9 | DEL | | | | | | | | | SC | .95 | |
| 10 | DEL | | | | | | | | | SC | 1.10 | |
| 11 | DEL | | | | | | | | | SC | .87 | .864 |
| 12 | DEL | | | | | | | | | SC | 1.0 | |
| 13 | DEL | | | | | | | | | SC | .90 | |
| 14 | DEL | | | | | | | | | SC | .82 | |
| 15 | DEL | | | | | | | | | SC | .80 | |
| 16 | DEL | | | | | | | | | SC | .90 | |
| 17 | DEL | | | | | | | | | SC | .90 | |
| 18 | DEL | | | | | | | | | SC | .87 | |
| 19 | DEL | | | | | | | | | SC | .81 | |
| 20 | DEL | | | | | | | | | SC | .91 | |
| 21 | DEL | | | | | | | | | SC | .76 | |
| 22 | DEL | | | | | | | | | SC | .77 | |
| 23 | DEL | | | | | | | | | SC | .69 | |
| 24 | DEL | | | | | | | | | SC | .94 | |
| 25 | DEL | | | | | | | | | SC | .87 | .889 |
| 26 | DEL | | | | | | | | | SC | .92 | |
| 27 | DEL | | | | | | | | | SC | .85 | |
| 28 | DEL | | | | | | | | | SC | .95 | |
| 29 | DEL | | | | | | | | | SC | .82 | |
| 30 | DEL | | | | | | | | | SC | .85 | |
| 31 | DEL | | | | | | | | | SC | .77 | |
| TOTAL | | | | | | | | | | | 28.88 | 1.75 |
| AVG | | | | | | | | | | | .93 | .876 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: .20 mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075

Signature: [Signature] Date: 09/09/20 Operator Grade Level: 1B
MM/DD/YY

Microbiological Samples and Free Chlorine Residual

| Sample Location | Date of Sample | Sample Type 1. ROUTINE 2. REPEAT 3. TRIGGERED | Total Coliform Positive | | E. coli Positive | | Free Chlorine Residual (mg/l) |
|----------------------|----------------|--|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------|
| | | | Y | N | Y | N | |
| Marymount | 8/1/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.13 |
| Hackley School | 8/3/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .68 |
| Main St. Firehouse | 8/5/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| High Tank | 8/8/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .61 |
| Warner Library | 8/10/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .42 |
| Main St. Firehouse | 8/12/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .71 |
| Washington Engine | 8/16/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .21 |
| Village Hall | 8/19/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .24 |
| Doubletree Hotel | 8/23/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .73 |
| Tappan Landing Apts. | 8/25/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .41 |
| DPW | 8/29/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .53 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Population Served: 12,000

Number of microbiological monitoring samples required: 10

Number of microbiological monitoring samples taken: 10

Did a M&R violation occur? ☐ Yes ☒ No

If "Yes," check reason (s) below:

- ☐ Actual number of samples is fewer than required
- ☐ Did not collect/analyze repeat sample
- ☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sample

Was triggered source water monitoring required? ☐ Yes ☒ NoDid a MCL violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information).

- ☐ For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
- ☐ For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
- ☐ The original sample was E.coli positive and at least 1 repeat sample was positive for total coliform (= E.coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

Sample collector(s): Steve Cowles & Nick Maltese

Name of NYSDOH Certified Laboratory: Westchester County Labs and Research

Did any MCL violation occur? If so, please describe:

NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain:

NO

Comments:

8/5 Main St. Firehouse was sampled but I forgot to add the CL2 residual, I was told days later when I brought the next sample in to the Westchester County Lab that they didn't run it because of that. So I had to take it again at a later date 8/12. I had the WC lab send me a notification so DOH can see it. Lab states that they tried to call me but I never received a call or voicemail from the lab about the non CL2 reading. I would have told them on the phone what it was.

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI

Reporting Month/Year: 09/2022 Date Report Submitted: 10/2022
MM/YYYY MM/YYYY

- ☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | | |
|-------|------------------|------------------------------------|--------------|--------|--|--|----------------------|--------------------------------|-----------------------|------|-----|--|
| | | | Gaseous | Liquid | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | P | H | |
| 1 | DEL | 1,880 | | 26 | 1.60 | | | | SC | 7.61 | 24 | |
| 2 | DEL | 1,586 | | 21 | 1.68 | | | | SC | 7.72 | 22 | |
| 3 | DEL | 1,569 | | 21 | 1.74 | | | | SC | 7.56 | 20 | |
| 4 | DEL | 1,766 | | 25 | 1.62 | | | | SC | 7.65 | 19 | |
| 5 | DEL | 1,328 | | 18 | 1.70 | | | | SC | 7.58 | 12 | |
| 6 | DEL | 1,209 | | 16 | 1.61 | | | | SC | 7.68 | 19 | |
| 7 | DEL | 1,537 | | 20 | 1.60 | | | | SC | 7.48 | 19 | |
| 8 | DEL | 986 | | 12 | 1.56 | | | | SC | 7.66 | 9 | |
| 9 | DEL | 1,826 | | 24 | 1.60 | | | | SC | 7.68 | 24 | |
| 10 | DEL | 1,180 | | 14 | 1.56 | | | | SC | 7.58 | 21 | |
| 11 | DEL | 1,320 | | 16 | 1.62 | | | | SC | 7.71 | 24 | |
| 12 | DEL | 1,519 | | 18 | 1.60 | | | | SC | 7.59 | 15 | |
| 13 | DEL | 1,254 | | 13 | 1.41 | | | | SC | 7.58 | 22 | |
| 14 | DEL | 1,036 | | 12 | 1.60 | | | | SC | 7.72 | 19 | |
| 15 | DEL | 1,783 | | 21 | 1.40 | | | | SC | 7.56 | 22 | |
| 16 | DEL | 1,158 | | 14 | 1.11 | | | | SC | 7.60 | 16 | |
| 17 | DEL | 1,398 | | 15 | 1.38 | | | | SC | 7.64 | 22 | |
| 18 | DEL | 1,523 | | 15 | 1.28 | | | | SC | 7.49 | 23 | |
| 19 | DEL | 1,139 | | 14 | 1.35 | | | | SC | 7.56 | 19 | |
| 20 | DEL | 1,799 | | 25 | 1.42 | | | | SC | 7.66 | 24 | |
| 21 | DEL | 1,179 | | 15 | 1.28 | | | | SC | 7.54 | 18 | |
| 22 | DEL | 1,243 | | 13 | 1.59 | | | | SC | 7.57 | 16 | |
| 23 | DEL | 1,513 | | 22 | 1.56 | | | | SC | 7.53 | 17 | |
| 24 | DEL | 1,200 | | 18 | 1.41 | | | | SC | 7.66 | 16 | |
| 25 | DEL | 1,035 | | 14 | 1.44 | | | | SC | 7.62 | 12 | |
| 26 | DEL | 1,651 | | 19 | 1.5 | | | | SC | 7.57 | 24 | |
| 27 | DEL | 1,201 | | 14 | 1.20 | | | | SC | 7.57 | 13 | |
| 28 | DEL | 1,070 | | 13 | 1.68 | | | | SC | 7.67 | 12 | |
| 29 | DEL | 1,794 | | 18 | 1.38 | | | | SC | 7.57 | 22 | |
| 30 | DEL | 1,269 | | 14 | 1.56 | | | | SC | 7.68 | 14 | |
| 31 | DEL | | | | | | | | | | | |
| TOTAL | | 41,951 | | 520 | | | | | | | 563 | |
| AVG | | 1,398 | | 17 | 1.50 | | | | | 7.61 | 19 | |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: .20 mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075

Signature: [Signature] Date: 10/06/22 Operator Grade Level: 1B
MM/DD/YY

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply Public Water System ID: NY 5903461
County: Westchester Town, Village or City: Tarrytown Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI
☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required
Reporting Month/Year: 09/2022 Date Report Submitted: 10/2022
MM/YYYY MM/YYYY

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | Free chlorine residual at entry point (mg/l) | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | NTU | pH |
|-------|------------------|------------------------------------|--------------|--------|--|--|--|----------------------|--------------------------------|-----------------------|--|-------|------|
| | | | Gaseous | Liquid | | | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | | | |
| 1 | DEL | | | | | | | | | SC | | .80 | |
| 2 | DEL | | | | | | | | | SC | | .70 | |
| 3 | DEL | | | | | | | | | SC | | .70 | |
| 4 | DEL | | | | | | | | | SC | | .90 | |
| 5 | DEL | | | | | | | | | SC | | .91 | |
| 6 | DEL | | | | | | | | | SC | | .70 | |
| 7 | DEL | | | | | | | | | SC | | .70 | |
| 8 | DEL | | | | | | | | | SC | | .70 | .899 |
| 9 | DEL | | | | | | | | | SC | | .60 | |
| 10 | DEL | | | | | | | | | SC | | .80 | |
| 11 | DEL | | | | | | | | | SC | | .60 | |
| 12 | DEL | | | | | | | | | SC | | .70 | |
| 13 | DEL | | | | | | | | | SC | | .60 | |
| 14 | DEL | | | | | | | | | SC | | .95 | |
| 15 | DEL | | | | | | | | | SC | | .68 | |
| 16 | DEL | | | | | | | | | SC | | .61 | |
| 17 | DEL | | | | | | | | | SC | | .64 | |
| 18 | DEL | | | | | | | | | SC | | .79 | |
| 19 | DEL | | | | | | | | | SC | | .76 | |
| 20 | DEL | | | | | | | | | SC | | .63 | |
| 21 | DEL | | | | | | | | | SC | | .57 | |
| 22 | DEL | | | | | | | | | SC | | .59 | .867 |
| 23 | DEL | | | | | | | | | SC | | .93 | |
| 24 | DEL | | | | | | | | | SC | | .92 | |
| 25 | DEL | | | | | | | | | SC | | .63 | |
| 26 | DEL | | | | | | | | | SC | | 1.10 | |
| 27 | DEL | | | | | | | | | SC | | 1.00 | |
| 28 | DEL | | | | | | | | | SC | | .61 | |
| 29 | DEL | | | | | | | | | SC | | .71 | |
| 30 | DEL | | | | | | | | | SC | | .68 | |
| 31 | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | 22.21 | 1.76 |
| AVG | | | | | | | | | | | | .74 | .883 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: .20 mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075
Signature: [Signature] Date: 10/06/22 Operator Grade Level: 1B
MM/DD/YY

Microbiological Samples and Free Chlorine Residual

| Sample Location | Date of Sample | Sample Type 1. ROUTINE 2. REPEAT 3. TRIGGERED | Total Coliform Positive | | E. coli Positive | | Free Chlorine Residual (mg/l) |
|-------------------------------|----------------|--|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------|
| | | | Y | N | Y | N | |
| Marymount | 9/1/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.52 |
| High Tank | 9/6/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.01 |
| Warner Library | 9/9/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .40 |
| Hackley School | 9/12/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .83 |
| Village Hall | 9/14/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .64 |
| Main St. Firehouse | 9/17/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .45 |
| Washington Engine | 9/20/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .59 |
| Tappan Landing | 9/23/22 | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.02 |
| Tappan Landing - Resample | 9/24/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.18 |
| Tappan Landing - Downstream | 9/24/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.01 |
| Tappan Landing - Upstream | 9/24/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.22 |
| Doubletree Hotel | 9/27/22 | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .23 |
| Doubletree Hotel - Resample | 9/28/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .82 |
| Doubletree Hotel - Downstream | 9/28/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .79 |
| Doubletree Hotel - Upstream | 9/28/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .94 |
| DPW | 9/29/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .45 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Population Served: 12,000

Number of microbiological monitoring samples required: 10

Number of microbiological monitoring samples taken: 10

Did a M&R violation occur? ☐ Yes ☒ No

If "Yes," check reason (s) below:

- ☐ Actual number of samples is fewer than required
- ☐ Did not collect/analyze repeat sample
- ☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sample

Was triggered source water monitoring required? ☐ Yes ☒ NoDid a MCL violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information).

- ☐ For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
- ☐ For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
- ☐ The original sample was E.coli positive and at least 1 repeat sample was positive for total coliform (= E.coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

Sample collector(s): Steve Cowles & Nick Maltese

Name of NYSDOH Certified Laboratory: Westchester County Labs and Research

Did any MCL violation occur? If so, please describe:

NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain:

NO

Comments :

Public Water System Name: **Village of Tarrytown Water Supply**

Public Water System ID: NY **5903461**

County: **Westchester**

Town, Village or City: **Tarrytown**

Source Water Type(s): ☒ Surface

☐ Ground

☐ GWUDI

☒ Purchase with subsequent chlorination

☐ Purchase w/out subsequent chlorination

☐ 4 log treatment required

Reporting Month/Year: **10/2022**
MM/YYYY

Date Report Submitted: **11/2022**
MM/YYYY

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | Free chlorine residual at entry point (mg/l) | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | |
|-------|------------------|------------------------------------|--------------|--------|-----|--|--|----------------------|--------------------------------|-----------------------|
| | | | Gaseous | Liquid | | | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) |
| 1 | DEL | 995 | | | 16 | 1.34 | | | | SC 7.59 12 |
| 2 | DEL | 1,207 | | | 22 | 1.62 | | | | SC 7.64 13 |
| 3 | DEL | 1,575 | | | 26 | 1.50 | | | | SC 7.61 17 |
| 4 | DEL | 957 | | | 16 | 1.23 | | | | SC 7.50 9 |
| 5 | DEL | 1,175 | | | 18 | 1.75 | | | | SC 7.66 12 |
| 6 | DEL | 1,216 | | | 20 | 1.76 | | | | SC 7.60 6 |
| 7 | DEL | 1,237 | | | 19 | 1.79 | | | | SC 7.60 12 |
| 8 | DEL | 1,245 | | | 21 | 1.30 | | | | SC 7.55 13 |
| 9 | DEL | 1,266 | | | 23 | 1.79 | | | | SC 7.47 7 |
| 10 | DEL | 1,217 | | | 20 | 1.80 | | | | SC 7.66 13 |
| 11 | DEL | 1,349 | | | 16 | 1.01 | | | | SC 7.53 10 |
| 12 | DEL | 1,103 | | | 17 | 1.75 | | | | SC 7.53 13 |
| 13 | DEL | 1,410 | | | 23 | 1.29 | | | | SC 7.57 12 |
| 14 | DEL | 1,110 | | | 16 | 1.87 | | | | SC 7.52 6 |
| 15 | DEL | 1,322 | | | 19 | 1.75 | | | | SC 7.53 10 |
| 16 | DEL | 1,354 | | | 15 | 1.34 | | | | SC 7.49 13 |
| 17 | DEL | 1,145 | | | 20 | 1.50 | | | | SC 7.49 11 |
| 18 | DEL | 1,104 | | | 16 | 1.76 | | | | SC 7.55 11 |
| 19 | DEL | 1,529 | | | 22 | 1.62 | | | | SC 7.50 16 |
| 20 | DEL | 1,434 | | | 22 | 1.26 | | | | SC 7.47 16 |
| 21 | DEL | 1,088 | | | 14 | 1.69 | | | | SC 7.49 13 |
| 22 | DEL | 1,269 | | | 16 | 1.72 | | | | SC 7.60 12 |
| 23 | DEL | 1,538 | | | 20 | 1.50 | | | | SC 7.54 14 |
| 24 | DEL | 1,126 | | | 16 | 1.44 | | | | SC 7.46 7 |
| 25 | DEL | 1,272 | | | 17 | 1.57 | | | | SC 7.43 11 |
| 26 | DEL | 1,105 | | | 14 | 1.54 | | | | SC 7.44 10 |
| 27 | DEL | 1,315 | | | 20 | 1.68 | | | | SC 7.53 13 |
| 28 | DEL | 1,119 | | | 15 | 1.70 | | | | SC 7.67 10 |
| 29 | DEL | 1,746 | | | 21 | 1.76 | | | | SC 7.67 15 |
| 30 | DEL | 1,023 | | | 17 | 1.50 | | | | SC 7.45 5 |
| 31 | DEL | 1,313 | | | 20 | 1.64 | | | | SC 7.44 13 |
| TOTAL | | 38,867 | | | 579 | | | | | 357 |
| AVG | | 1,254 | | | 19 | 1.59 | | | | 7.54 12 |

Chlorine Mix Ratio = **NA** quarts/gallons of **NA** % chlorine added to **NA** gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: **20** mg/l

Reported by: **Stephen G. Cowles** Title: **Chief Operator** NYSDOH Operator Certification Number: **NY0033075**
Signature: *Stephen G. Cowles* Date: **11/09/20** Operator Grade Level: **1B**

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply Public Water System ID: 5903461

County: Westchester Town, Village or City: Tarrytown Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI

Reporting Month/Year: 10/2022 Date Report Submitted: 11/2022
MM/YYYY MM/YYYY

- ☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| | | | CHLORINATION | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | |
|-------|------------------|------------------------------------|------------------------|--------------------------|---|---------------------------------------|--|----------------------|-----------------------|------------|-------|-------|
| | | | Gaseous | | Liquid | Free chlorine residual at entry point | | | Quartz sleeve cleaned | Checked by | | |
| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | Cylinder weight (LBS.) | Chlorine used/Day (LBS.) | Hypochlorite added to crock (GALLONS OR QUARTS) | (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | (YES/NO) | (INITIALS) | NTU | PO4 |
| 1 | DEL | | | | | | | | | SC | .53 | |
| 2 | DEL | | | | | | | | | SC | .54 | |
| 3 | DEL | | | | | | | | | SC | .63 | |
| 4 | DEL | | | | | | | | | SC | .50 | |
| 5 | DEL | | | | | | | | | SC | .64 | |
| 6 | DEL | | | | | | | | | SC | .51 | .874 |
| 7 | DEL | | | | | | | | | SC | .49 | |
| 8 | DEL | | | | | | | | | SC | .51 | |
| 9 | DEL | | | | | | | | | SC | .54 | |
| 10 | DEL | | | | | | | | | SC | .61 | |
| 11 | DEL | | | | | | | | | SC | .53 | |
| 12 | DEL | | | | | | | | | SC | .73 | |
| 13 | DEL | | | | | | | | | SC | .58 | |
| 14 | DEL | | | | | | | | | SC | .63 | |
| 15 | DEL | | | | | | | | | SC | .60 | |
| 16 | DEL | | | | | | | | | SC | .62 | |
| 17 | DEL | | | | | | | | | SC | .68 | |
| 18 | DEL | | | | | | | | | SC | .62 | |
| 19 | DEL | | | | | | | | | SC | .58 | |
| 20 | DEL | | | | | | | | | SC | .61 | .871 |
| 21 | DEL | | | | | | | | | SC | .64 | |
| 22 | DEL | | | | | | | | | SC | .63 | |
| 23 | DEL | | | | | | | | | SC | .59 | |
| 24 | DEL | | | | | | | | | SC | .67 | |
| 25 | DEL | | | | | | | | | SC | .57 | |
| 26 | DEL | | | | | | | | | SC | .59 | |
| 27 | DEL | | | | | | | | | SC | .60 | |
| 28 | DEL | | | | | | | | | SC | .73 | |
| 29 | DEL | | | | | | | | | SC | .80 | |
| 30 | DEL | | | | | | | | | SC | .70 | |
| 31 | DEL | | | | | | | | | SC | .62 | |
| TOTAL | | | | | | | | | | | 18.82 | 1.745 |
| AVG | | | | | | | | | | | .61 | .872 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075

Signature: Stephen G. Cowles Date: 11/09/22 Operator Grade Level: 1B
MM/DD/YY

Microbiological Samples and Free Chlorine Residual

| Sample Location | Date of Sample | Sample Type 1. ROUTINE 2. REPEAT 3. TRIGGER REQ. | Total Coliform Positive | | E. coli Positive | | Free Chlorine Residual (mg/L) |
|------------------------------|----------------|---|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------|
| | | | Y | N | Y | N | |
| Marymount | 10/3/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.29 |
| High Tank | 10/5/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .25 |
| Warner Library | 10/7/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .55 |
| Hackley School | 10/11/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .39 |
| Main St. Firehouse | 10/14/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .71 |
| Tappan Landing Apts. | 10/17/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .83 |
| Washington Engine | 10/19/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .77 |
| Village Hall | 10/21/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .83 |
| Doubletree | 10/25/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .79 |
| DPW | 10/27/22 | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .68 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| DPW | 10/28/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .70 |
| DPW - Senior Center upstream | 10/28/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .48 |
| DPW - Downstream Hydrant | 10/28/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .62 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Population Served: 12,000

Number of microbiological monitoring samples required: 10

Number of microbiological monitoring samples taken: 10

Did a M&R violation occur? ☐ Yes ☒ No

If "Yes," check reason (s) below:

☐ Actual number of samples is fewer than required☐ Did not collect/analyze repeat sample☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sampleWas triggered source water monitoring required? ☐ Yes ☒ NoDid a MCL violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information):

☐ For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).☐ For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).☐ The original sample was E.coli positive and at least 1 repeat sample was positive for total coliform (= E.coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

Sample collector(s): Steve Cowles & Nick Maltese

Name of NYSDOH Certified Laboratory: Westchester County Labs and Research

Did any MCL violation occur? If so, please describe:

NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain:

NO

Comments:

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI
☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

Reporting Month/Year: 11/2022 Date Report Submitted: 12/2022
MM/YYYY MM/YYYY

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | |
|-------|------------------|------------------------------------|--------------|--------|--|-------------------------|--|--------------------------------|-----------------------|------|------|---------------------------|
| | | | Gaseous | Liquid | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | P | H | Classic Calc used Per Day |
| 1 | DEL | 1,173 | | | 12 | 1.11 | | | SC | 7.43 | | 8 |
| 2 | DEL | 1,044 | | | 10 | 1.09 | | | SC | 7.41 | | 11 |
| 3 | DEL | 1,120 | | | 11 | 1.49 | | | SC | 7.57 | | 10 |
| 4 | DEL | 1,267 | | | 14 | 1.51 | | | SC | 7.59 | | 13 |
| 5 | DEL | 1,274 | | | 14 | 1.16 | | | SC | 7.49 | | 8 |
| 6 | DEL | 1,253 | | | 13 | 1.33 | | | SC | 7.44 | | 11 |
| 7 | DEL | 1,192 | | | 11 | 1.42 | | | SC | 7.54 | | 12 |
| 8 | DEL | 1,165 | | | 12 | 1.30 | | | SC | 7.49 | | 9 |
| 9 | DEL | 1,170 | | | 10 | 1.35 | | | SC | 7.57 | | 10 |
| 10 | DEL | 1,149 | | | 11 | 1.46 | | | SC | 7.56 | | 9 |
| 11 | DEL | 1,108 | | | 10 | 1.29 | | | SC | 7.48 | | 8 |
| 12 | DEL | 1,090 | | | 9 | 1.32 | | | SC | 7.60 | | 7 |
| 13 | DEL | 1,097 | | | 9 | 1.41 | | | SC | 7.48 | | 10 |
| 14 | DEL | 1,109 | | | 11 | 1.35 | | | SC | 7.53 | | 7 |
| 15 | DEL | 1,070 | | | 10 | 1.25 | | | SC | 7.64 | | 9 |
| 16 | DEL | 1,066 | | | 10 | 1.20 | | | SC | 7.78 | | 7 |
| 17 | DEL | 1,207 | | | 13 | 1.29 | | | SC | 7.54 | | 9 |
| 18 | DEL | 1,421 | | | 15 | 1.18 | | | SC | 7.53 | | 11 |
| 19 | DEL | 1,162 | | | 11 | 1.15 | | | SC | 7.40 | | 11 |
| 20 | DEL | 1,182 | | | 12 | 1.22 | | | SC | 7.36 | | 12 |
| 21 | DEL | 1,143 | | | 11 | 1.19 | | | SC | 7.39 | | 11 |
| 22 | DEL | 1,154 | | | 11 | 1.23 | | | SC | 7.39 | | 11 |
| 23 | DEL | 1,186 | | | 10 | 1.22 | | | SC | 7.36 | | 12 |
| 24 | DEL | 1,247 | | | 13 | 1.35 | | | SC | 7.30 | | 10 |
| 25 | DEL | 1,169 | | | 13 | 1.24 | | | SC | 7.36 | | 11 |
| 26 | DEL | 1,166 | | | 10 | 1.26 | | | SC | 7.39 | | 9 |
| 27 | DEL | 1,138 | | | 10 | 1.21 | | | SC | 7.34 | | 10 |
| 28 | DEL | 1,148 | | | 12 | 1.18 | | | SC | 7.30 | | 11 |
| 29 | DEL | 1,206 | | | 15 | 1.23 | | | SC | 7.33 | | 8 |
| 30 | DEL | 1,166 | | | 10 | 1.28 | | | SC | 7.33 | | 9 |
| 31 | | | | | | | | | | | | |
| TOTAL | | 35,043 | | | 343 | | | | | | | 286 |
| AVG | | 1,168 | | | 11 | 1.28 | | | | | 7.47 | 10 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: .20 mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075

Signature: Stephen G. Cowles Date: 12/08/22 Operator Grade Level: 1B
MM/DD/YY

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown Source Water Type(s): ☒ Surface

Reporting Month/Year: 11/2022 Date Report Submitted: 12/2022

- ☐ Ground
☐ GWUDI
☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | CHLORINATION | | | Free chlorine residual at entry point (mg/l) | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | |
|-------|------------------|------------------------------------|--------------|--------|--|--|--|----------------------|--------------------------------|-----------------------|-------|
| | | | Gaseous | Liquid | | | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | |
| 1 | DEL | | | | | | | | | SC | .89 |
| 2 | DEL | | | | | | | | | SC | .71 |
| 3 | DEL | | | | | | | | | SC | .70 |
| 4 | DEL | | | | | | | | | SC | .60 |
| 5 | DEL | | | | | | | | | SC | .70 |
| 6 | DEL | | | | | | | | | SC | .70 |
| 7 | DEL | | | | | | | | | SC | .70 |
| 8 | DEL | | | | | | | | | SC | .70 |
| 9 | DEL | | | | | | | | | SC | .70 |
| 10 | DEL | | | | | | | | | SC | .70 |
| 11 | DEL | | | | | | | | | SC | .79 |
| 12 | DEL | | | | | | | | | SC | .65 |
| 13 | DEL | | | | | | | | | SC | .75 |
| 14 | DEL | | | | | | | | | SC | .74 |
| 15 | DEL | | | | | | | | | SC | .79 |
| 16 | DEL | | | | | | | | | SC | .78 |
| 17 | DEL | | | | | | | | | SC | .79 |
| 18 | DEL | | | | | | | | | SC | .83 |
| 19 | DEL | | | | | | | | | SC | .87 |
| 20 | DEL | | | | | | | | | SC | .81 |
| 21 | DEL | | | | | | | | | SC | .82 |
| 22 | DEL | | | | | | | | | SC | .92 |
| 23 | DEL | | | | | | | | | SC | .92 |
| 24 | DEL | | | | | | | | | SC | .80 |
| 25 | DEL | | | | | | | | | SC | .84 |
| 26 | DEL | | | | | | | | | SC | .70 |
| 27 | DEL | | | | | | | | | SC | .90 |
| 28 | DEL | | | | | | | | | SC | .90 |
| 29 | DEL | | | | | | | | | SC | .80 |
| 30 | DEL | | | | | | | | | SC | .80 |
| 31 | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | 23.30 |
| AVG | | | | | | | | | | | .78 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: .20 mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075
Signature: Stephen G. Cowles Date: 12/08/22 Operator Grade Level: 1B

Microbiological Samples and Free Chlorine Residual

| Sample Location | Date of Sample | Sample Type 1. ROUTINE 2. REPEAT 3. TRIGGERED | Total Coliform Positive | | E. coli Positive | | Free Chlorine Residual (mg/l) |
|--------------------|----------------|--|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------|
| | | | Y | N | Y | N | |
| Marymount | 11/2/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .64 |
| High Tank | 11/4/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .79 |
| Main St. Firehouse | 11/7/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .56 |
| Hackley School | 11/10/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .74 |
| DPW | 11/12/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .88 |
| Village Hall | 11/14/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .62 |
| Doubletree Hotel | 11/18/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .62 |
| Warner Library | 11/22/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .48 |
| Washington Engine | 11/25/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .71 |
| Tappan Landing | 11/29/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.13 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Population Served: 12,000

Number of microbiological monitoring samples required: 10

Number of microbiological monitoring samples taken: 10

Did a M&R violation occur? ☐ Yes ☒ No

If "Yes," check reason (s) below:

- ☐ Actual number of samples is fewer than required
- ☐ Did not collect/analyze repeat sample
- ☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sample

Was triggered source water monitoring required? ☐ Yes ☒ NoDid a MCL violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information).

- ☐ For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
- ☐ For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).
- ☐ The original sample was E.coli positive and at least 1 repeat sample was positive for total coliform (= E.coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

Sample collector(s): Steve Cowles

Name of NYSDOH Certified Laboratory: Westchester County Labs and Research

Did any MCL violation occur? If so, please describe:

NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain:

NO

Comments :

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply

Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown

Reporting Month/Year: 12/2022 Date Report Submitted: 01/2023

Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI
☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| | | | CHLORINATION | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | |
|-------|---------------------|--|------------------------------|--------------------------------|---|--|--|----------------------------|---|-----------------------------|------|---------------------------------------|
| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | Gaseous | | Liquid | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | pH | CAUSTIC GAL. USED PER DAY |
| | | | Cylinder weight (LBS.) | Chlorine used/Day (LBS.) | Hypochlorite added to crock (GALLONS OR QUARTS) | | | | | | | |
| 1 | DEL | 1,113 | | | 12 | 1.14 | | | | SC | 7.31 | 7 |
| 2 | DEL | 1,158 | | | 13 | 1.14 | | | | SC | 7.33 | 6 |
| 3 | DEL | 1,204 | | | 15 | 1.08 | | | | SC | 7.34 | 10 |
| 4 | DEL | 1,254 | | | 15 | 1.18 | | | | SC | 7.34 | 7 |
| 5 | DEL | 1,291 | | | 17 | 1.17 | | | | SC | 7.35 | 11 |
| 6 | DEL | 1,244 | | | 16 | 1.18 | | | | SC | 7.31 | 8 |
| 7 | DEL | 1,143 | | | 13 | 1.20 | | | | SC | 7.36 | 10 |
| 8 | DEL | 1,175 | | | 13 | 1.21 | | | | SC | 7.30 | 10 |
| 9 | DEL | 1,444 | | | 15 | 1.28 | | | | SC | 7.33 | 12 |
| 10 | DEL | 1,128 | | | 10 | 1.20 | | | | SC | 7.32 | 3 |
| 11 | DEL | 1,129 | | | 14 | 1.27 | | | | SC | 7.36 | 11 |
| 12 | DEL | 1,336 | | | 15 | 1.31 | | | | SC | 7.35 | 11 |
| 13 | DEL | 1,270 | | | 13 | 1.25 | | | | SC | 7.33 | 10 |
| 14 | DEL | 1,033 | | | 11 | 1.08 | | | | SC | 7.63 | 9 |
| 15 | DEL | 1,480 | | | 15 | 1.39 | | | | SC | 7.33 | 9 |
| 16 | DEL | 1,401 | | | 16 | 1.78 | | | | SC | 7.77 | 11 |
| 17 | DEL | 1,110 | | | 12 | 1.18 | | | | SC | 7.42 | 12 |
| 18 | DEL | 1,325 | | | 16 | 1.19 | | | | SC | 7.40 | 13 |
| 19 | DEL | 1,360 | | | 13 | 1.18 | | | | SC | 7.42 | 6 |
| 20 | DEL | 1,155 | | | 11 | 1.24 | | | | SC | 7.37 | 9 |
| 21 | DEL | 1,375 | | | 14 | 1.22 | | | | SC | 7.40 | 12 |
| 22 | DEL | 1,340 | | | 14 | 1.15 | | | | SC | 7.42 | 10 |
| 23 | DEL | 1,164 | | | 10 | 1.17 | | | | SC | 7.44 | 9 |
| 24 | DEL | 1,403 | | | 12 | 1.76 | | | | SC | 7.48 | 11 |
| 25 | DEL | 1,374 | | | 16 | 1.04 | | | | SC | 7.34 | 11 |
| 26 | DEL | 1,278 | | | 15 | 1.24 | | | | SC | 7.38 | 11 |
| 27 | DEL | 1,406 | | | 16 | 1.82 | | | | SC | 7.73 | 10 |
| 28 | DEL | 1,150 | | | 12 | 1.23 | | | | SC | 7.40 | 10 |
| 29 | DEL | 1,427 | | | 15 | 1.35 | | | | SC | 7.42 | 15 |
| 30 | DEL | 1,388 | | | 15 | 1.31 | | | | SC | 7.40 | 13 |
| 31 | DEL | 1,251 | | | 14 | 1.29 | | | | SC | 7.42 | 10 |
| TOTAL | | 39,521 | | | 428 | | | | | | - | 309 |
| AVG | | 1,275 | | | 14 | 1.28 | | | | | 7.40 | 10 |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: 20 mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075

Signature: [Signature] Date: 01/09/23 Operator Grade Level: 1B

Water System Operation Report

For Systems that Treat with Chlorine and/or Ultraviolet Radiation

Public Water System Name: Village of Tarrytown Water Supply

Public Water System ID: NY 5903461

County: Westchester Town, Village or City: Tarrytown

Reporting Month/Year: 12/2022 Date Report Submitted: 01/2023

Source Water Type(s): ☒ Surface
☐ Ground
☐ GWUDI
☒ Purchase with subsequent chlorination
☐ Purchase w/out subsequent chlorination
☐ 4 log treatment required

| | | | CHLORINATION | | | | ULTRAVIOLET RADIATION/OTHER TREATMENTS | | | | | | |
|-------|---------------------|--|---|--------------------------------|---|--|--|----------------------------|---|-----------------------------|-------|------|------|
| Date | Source(s) in use | Treated water volume (GALLONS/DAY) | Gaseous Cylinder weight (LBS.) | Chlorine used/Day (LBS.) | Liquid Hypochlorite added to crock (GALLONS OR QUARTS) | Free chlorine residual at entry point (mg/l) | UV Unit active (YES/NO) | Intensity meter >70% | Quartz sleeve cleaned (YES/NO) | Checked by (INITIALS) | NTU | pH | |
| 1 | DEL | | | | | | | | | SC | .90 | .882 | |
| 2 | DEL | | | | | | | | | SC | .80 | | |
| 3 | DEL | | | | | | | | | SC | .70 | | |
| 4 | DEL | | | | | | | | | SC | 1.00 | | |
| 5 | DEL | | | | | | | | | SC | 1.00 | | |
| 6 | DEL | | | | | | | | | SC | .90 | | |
| 7 | DEL | | | | | | | | | SC | .90 | | |
| 8 | DEL | | | | | | | | | SC | .94 | | |
| 9 | DEL | | | | | | | | | SC | .90 | | |
| 10 | DEL | | | | | | | | | SC | .81 | | |
| 11 | DEL | | | | | | | | | SC | .77 | | |
| 12 | DEL | | | | | | | | | SC | .91 | | |
| 13 | DEL | | | | | | | | | SC | .88 | | |
| 14 | DEL | | | | | | | | | SC | .78 | | |
| 15 | DEL | | | | | | | | | SC | .71 | .884 | |
| 16 | DEL | | | | | | | | | SC | .89 | | |
| 17 | DEL | | | | | | | | | SC | .90 | | |
| 18 | DEL | | | | | | | | | SC | .80 | | |
| 19 | DEL | | | | | | | | | SC | .72 | | |
| 20 | DEL | | | | | | | | | SC | .83 | | |
| 21 | DEL | | | | | | | | | SC | .80 | | |
| 22 | DEL | | | | | | | | | SC | .81 | | |
| 23 | DEL | | | | | | | | | SC | .80 | | |
| 24 | DEL | | | | | | | | | SC | 1.10 | | |
| 25 | DEL | | | | | | | | | SC | .90 | | |
| 26 | DEL | | | | | | | | | SC | 1.00 | | |
| 27 | DEL | | | | | | | | | SC | 1.40 | | |
| 28 | DEL | | | | | | | | | SC | .94 | | |
| 29 | DEL | | | | | | | | | SC | 1.20 | | .878 |
| 30 | DEL | | | | | | | | | SC | 1.10 | | |
| 31 | DEL | | | | | | | | | SC | 1.00 | | |
| TOTAL | | | | | | | | | | | 28.09 | 2.64 | |
| AVG | | | | | | | | | | | .91 | .884 | |

Chlorine Mix Ratio = NA quarts/gallons of NA % chlorine added to NA gallons of water in crock.

Date UV quartz sleeve last cleaned: MM/DD/YY Date UV lamp replaced: MM/DD/YY

Alarm activation: ☒ No ☐ Yes If "Yes," date of activation: MM/DD/YY Required Treatment Residual Level: 20 mg/l

Reported by: Stephen G. Cowles Title: Chief Operator NYSDOH Operator Certification Number: NY0033075

Signature: [Signature] Date: 01/09/23 Operator Grade Level: 1B

Microbiological Samples and Free Chlorine Residual

| Sample Location | Date of Sample | Sample Type 1. ROUTINE 2. REPEAT 3. TRIGGERED | Total Coliform Positive | | E. coli Positive | | Free Chlorine Residual (mg/l) |
|----------------------|----------------|--|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------|
| | | | Y | N | Y | N | |
| MARYMOUNT | 12/1/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1.37 |
| WASHINGTON ENGINE | 12/5/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .78 |
| VILLAGE HALL | 12/7/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .51 |
| DOUBLETREE HOTEL | 12/9/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .74 |
| MAIN ST. FIREHOUSE | 12/12/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .58 |
| WARNER LIBRARY | 12/14/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .42 |
| HACKLEY SCHOOL | 12/21/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .86 |
| D.P.W. | 12/23/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .46 |
| HIGH TANK | 12/27/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .69 |
| TAPPAN LANDMARK APTS | 12/29/22 | 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | .74 |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Population Served: 12,000

Number of microbiological monitoring samples required: 10

Number of microbiological monitoring samples taken: 10

Did a M&R violation occur? ☐ Yes ☒ No

If "Yes," check reason (s) below:

☐ Actual number of samples is fewer than required

☐ Did not collect/analyze repeat sample

☐ Did not collect/analyze for E. coli for positive total coliform from routine / repeat sample

Was triggered source water monitoring required? ☐ Yes ☒ No

Did a MCL violation occur? ☐ Yes ☒ No

If "Yes," check reason(s) below (see also Part 5, Table 6 for Additional information).

☐ For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).

☐ For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation).

☐ The original sample was E.coli positive and at least 1 repeat sample was positive for total coliform (= E.coli MCL violation).

Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection unless waived (to minimum of one sample) in writing by the local health department.

As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.

Sample collector(s): Steve Cowles

Name of NYSDOH Certified Laboratory: Westchester County Labs and Research

Did any MCL violation occur? If so, please describe:

NO

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain:

NO

Comments:

WATER QUALITY

1. One set of Water Quality Parameters (WQP) samples are tested bi-weekly at the point of entry (POE), Shaft 10 Pumping Station.
2. Twenty set of WQP samples from 10 sites (Chlorine-BacT Locations) are tested bi-annually in the distribution system.
 - January to June
 - July to December

Sample No. **AY00759**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : JM AG
Bottle No : A7933 B858 C0071

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 01/13/2022 AT 10:25:00AM
Submitted On : 01/13/2022 AT 10:45:00AM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000

pH :

Free Cl2 : .81

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.43 NTU .871 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 15.7 | | mg/L | 5.0 | 01/20/2022 | MO |
| EPA 200.7 | Calcium | 5960 | | ug/L | 1000 | 01/18/2022 | MO |
| SM22-2510B | Conductance | 57.3 | | umhos/cm | 0.5 | 01/21/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 01/19/2022 | MO |
| EPA 200.7 | Magnesium | 1260 | | ug/L | 1000 | 01/18/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 01/25/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2340

EMAIL 1/25/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY01566**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : KB
Bottle No : A7918 B1027 C0199

Collection Point : POE

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 01/27/2022 AT 10:50:00AM
Submitted On : 01/27/2022 AT 11:18:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.08 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.36 PH .879 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.6 | | mg/L | 5.0 | 01/28/2022 | MO |
| EPA 200.7 | Calcium | 5070 | | ug/L | 1000 | 02/01/2022 | MO |
| SM22-2510B | Conductance | 52.7 | | umhos/cm | 0.5 | 02/04/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 17 | | mg/L | 1 | 02/01/2022 | MO |
| EPA 200.7 | Magnesium | 1070 | | ug/L | 1000 | 02/01/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 02/07/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2378

EMAIL 2/7/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY02464**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : KB AG
Bottle No : A7680 B31 C0030

Collection Point : POE

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 02/10/2022 AT 9:00:00AM
Submitted On : 02/10/2022 AT 10:46:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.00 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.40 PH .889 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.5 | | mg/L | 5.0 | 02/18/2022 | MO |
| EPA 200.7 | Calcium | 5810 | | ug/L | 1000 | 02/16/2022 | MO |
| SM22-2510B | Conductance | 61.7 | | umhos/cm | 0.5 | 02/24/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 02/17/2022 | MO |
| EPA 200.7 | Magnesium | 1240 | | ug/L | 1000 | 02/16/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 03/04/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 2457

EMAIL 3/4/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : AG
Bottle No : A7769 B623 C1054

Collection Point : POE

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 02/24/2022 AT 10:00:00AM
Submitted On : 02/24/2022 AT 1:14:00PM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000
pH :

Free Cl2 : 1.21 **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.63 PH .887 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 16.4 | | mg/L | 5.0 | 03/02/2022 | MO |
| EPA 200.7 | Calcium | 5710 | | ug/L | 1000 | 03/06/2022 | MO |
| SM22-2510B | Conductance | 55.9 | | umhos/cm | 0.5 | 03/11/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 03/08/2022 | MO |
| EPA 200.7 | Magnesium | 1190 | | ug/L | 1000 | 03/06/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt

QA Officer

Date Approved : 03/20/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2517

EMAIL 3/21/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT PS
401 NEPERHAN RD
TARRYTOWN, NY

Received By : KB AG
Bottle No : A6192 B794 C0046

Collection Point : POE

ID of Source : CATSKILL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 03/10/2022 AT 10:03:00AM
Submitted On : 03/10/2022 AT 10:13:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 0.98 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.49PH 0.882 PO4

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 11.7 | | mg/L | 5.0 | 03/18/2022 | MO |
| EPA 200.7 | Calcium | 6200 | | ug/L | 1000 | 03/25/2022 | MO |
| SM22-2510B | Conductance | 57.2 | | umhos/cm | 0.5 | 03/11/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 03/28/2022 | MO |
| EPA 200.7 | Magnesium | 1330 | | ug/L | 1000 | 03/25/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt**QA Officer****Date Approved :** 03/30/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 2544**EMAIL** 3/30/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY04995**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : AG
Bottle No : A6423 B963 C0607

Collection Point : POE

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 03/24/2022 AT 11:25:00AM
Submitted On : 03/24/2022 AT 11:38:00AM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000

pH :

Free Cl2 : .68

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.44 PH .964 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.2 | | mg/L | 5.0 | 03/25/2022 | MO |
| EPA 200.7 | Calcium | 5640 | | ug/L | 1000 | 03/31/2022 | MO |
| SM22-2510B | Conductance | 54.6 | | umhos/cm | 0.5 | 04/01/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 04/03/2022 | MO |
| EPA 200.7 | Magnesium | 1270 | | ug/L | 1000 | 03/31/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt

QA Officer

Date Approved : 04/13/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2575

EMAIL 4/13/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY05769**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : KB AG
Bottle No : A7545 B1281 C0705

Collection Point : POE

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 04/07/2022 AT 7:36:00AM
Submitted On : 04/07/2022 AT 8:11:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.51 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.46 PH
.944 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.4 | | mg/L | 5.0 | 04/08/2022 | MO |
| EPA 200.7 | Calcium | 6220 | | ug/L | 1000 | 04/27/2022 | MO |
| SM22-2510B | Conductance | 59.9 | | umhos/cm | 0.5 | 04/21/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 04/28/2022 | MO |
| EPA 200.7 | Magnesium | 1350 | | ug/L | 1000 | 04/27/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 04/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2621

EMAIL 4/29/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY06687**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : KB
Bottle No : A8022 B1255 C0850

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 04/21/2022 AT 11:00:00AM
Submitted On : 04/21/2022 AT 11:14:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.35 PH
.919 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.3 | | mg/L | 5.0 | 04/25/2022 | MO |
| EPA 200.7 | Calcium | 5910 | | ug/L | 1000 | 05/04/2022 | MO |
| SM22-2510B | Conductance | 74.5 | | umhos/cm | 0.5 | 04/29/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 05/05/2022 | MO |
| EPA 200.7 | Magnesium | 1310 | | ug/L | 1000 | 05/04/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 05/05/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2640

EMAIL 5/5/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : KB KA
Bottle No : A7635 B737 C0684

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 05/05/2022 AT 3:00:00PM
Submitted On : 05/06/2022 AT 11:22:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.09 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.41 PH .989 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.7 | | mg/L | 5.0 | 05/11/2022 | MO |
| EPA 200.7 | Calcium | 5810 | | ug/L | 1000 | 05/19/2022 | MO |
| SM22-2510B | Conductance | 59.3 | | umhos/cm | 0.5 | 05/20/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 05/20/2022 | MO |
| EPA 200.7 | Magnesium | 1250 | | ug/L | 1000 | 05/19/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 05/26/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 2712**EMAIL** 5/26/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY08491**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : AG KB
Bottle No : A7722 B26 C0598

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 05/19/2022 AT 10:10:00AM
Submitted On : 05/19/2022 AT 10:27:00AM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000
pH :

Free Cl2 : 1.37 **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.41 PH .968 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.5 | | mg/L | 5.0 | 05/25/2022 | MO |
| EPA 200.7 | Calcium | 6130 | | ug/L | 1000 | 05/26/2022 | MO |
| SM22-2510B | Conductance | 59.8 | | umhos/cm | 0.5 | 06/10/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 05/27/2022 | MO |
| EPA 200.7 | Magnesium | 1370 | | ug/L | 1000 | 05/26/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 06/14/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2762

EMAIL 6/14/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY09272**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : KB
Bottle No : A7582 B676 C0335

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 06/02/2022 AT 10:45:00AM
Submitted On : 06/02/2022 AT 12:35:00PM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000
pH :

Free Cl2 : 1.01

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.32 PH .991 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 11.8 | | mg/L | 5.0 | 06/03/2022 | MO |
| EPA 200.7 | Calcium | 5640 | | ug/L | 1000 | 06/06/2022 | MO |
| SM22-2510B | Conductance | 72.5 | | umhos/cm | 0.5 | 06/17/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 06/06/2022 | MO |
| EPA 200.7 | Magnesium | 1320 | | ug/L | 1000 | 06/06/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 06/23/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2801

EMAIL 6/23/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY10359**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : AG JLM
Bottle No : A6472 B962 C0508

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 06/16/2022 AT 12:55:00PM
Submitted On : 06/16/2022 AT 1:08:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.10 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.46 PH
1.01 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.6 | | mg/L | 5.0 | 06/22/2022 | MO |
| EPA 200.7 | Calcium | 5590 | | ug/L | 1000 | 06/27/2022 | MO |
| SM22-2510B | Conductance | 68.3 | | umhos/cm | 0.5 | 07/01/2022 | JLM |
| EPA 300.0 | Fluoride by IC | 0.643 | | mg/L | 0.2 | 06/27/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 07/11/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2844

EMAIL 7/11/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY11315**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT 10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : KB
Bottle No : A8039 B694 C0541

Collection Point : POE

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : COWLES
Collection Date : 06/30/2022 AT 3:45:00PM
Submitted On : 07/01/2022 AT 1:54:00PM
PWS No. : 5903461
Type Descriptor : **Source ID :** 000
pH :
Free Cl2 : **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.56 PH 1.01 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|---|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.2 | | mg/L | 5.0 | 07/18/2022 | MO |
| <i>Test not entered at log-in. Analyzed when found in refrigerator.</i> | | | | | | | |
| EPA 200.7 | Calcium | 5640 | | ug/L | 1000 | 07/19/2022 | MO |
| SM22-2510B | Conductance | 64.3 | | umhos/cm | 0.5 | 07/15/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 07/20/2022 | MO |
| EPA 200.7 | Magnesium | 1260 | | ug/L | 1000 | 07/19/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 07/21/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Report Number: 2886

EMAIL 7/21/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY12195**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT 10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : KB AG
Bottle No : A7949 B1065 C4549

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 07/14/2022 AT 8:15:00AM
Submitted On : 07/14/2022 AT 9:02:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.32 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.45 PH .894 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.6 | | mg/L | 5.0 | 07/25/2022 | MO |
| EPA 200.7 | Calcium | 5640 | | ug/L | 1000 | 07/28/2022 | MO |
| SM22-2510B | Conductance | 67.1 | | umhos/cm | 0.5 | 07/22/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 07/29/2022 | MO |
| EPA 200.7 | Magnesium | 1160 | | ug/L | 1000 | 07/28/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 08/02/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2914

EMAIL 8/2/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : KB
Bottle No : A6363 B929 C5028

Collection Point : POE

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 07/28/2022 AT 12:40:00PM
Submitted On : 07/28/2022 AT 1:26:00PM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000
pH :

Free Cl2 : 1.39 **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.40 PH .963 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.1 | | mg/L | 5.0 | 08/08/2022 | MO |
| EPA 200.7 | Calcium | 5430 | | ug/L | 1000 | 08/10/2022 | MO |
| SM22-2510B | Conductance | 60.2 | | umhos/cm | 0.5 | 08/12/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 18 | | mg/L | 1 | 08/11/2022 | MO |
| EPA 200.7 | Magnesium | 1140 | | ug/L | 1000 | 08/10/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 08/23/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2970

EMAIL 8/23/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : JLM KB
Bottle No : A7927 B1061 C2442

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 08/11/2022 AT 11:00:00AM
Submitted On : 08/11/2022 AT 12:14:00PM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : PH 7.57 POY .864

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.7 | | mg/L | 5.0 | 08/16/2022 | MO |
| EPA 200.7 | Calcium | 5790 | | ug/L | 1000 | 08/24/2022 | MO |
| SM22-2510B | Conductance | 55.01 | | umhos/cm | 0.5 | 08/19/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 08/25/2022 | MO |
| EPA 200.7 | Magnesium | 1130 | | ug/L | 1000 | 08/24/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 08/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2987

EMAIL 8/26/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY15138**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : ES LG
Bottle No : A7807 B57 C1515

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : MALTESE
Collection Date : 08/25/2022 AT 8:50:00AM
Submitted On : 08/25/2022 AT 9:31:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : PH 7.45 POY .889

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.6 | | mg/L | 5.0 | 09/01/2022 | MO |
| EPA 200.7 | Calcium | 5580 | | ug/L | 1000 | 09/07/2022 | MO |
| SM22-2510B | Conductance | 63.8 | | umhos/cm | 0.5 | 08/26/2022 | JLM |
| EPA 300.0 | Fluoride by IC | 0.664 | | mg/L | 0.2 | 09/01/2022 | MO |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 09/07/2022 | MO |
| EPA 200.7 | Magnesium | 1110 | | ug/L | 1000 | 09/07/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 09/12/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3024

EMAIL 9/12/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY16100**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : LG AG
Bottle No : A7941 B436 C2109

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 09/08/2022 AT 1:10:00PM
Submitted On : 09/08/2022 AT 1:28:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.30 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.56 PH .899 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 15.6 | | mg/L | 5.0 | 09/14/2022 | MO |
| EPA 200.7 | Calcium | 5740 | | ug/L | 1000 | 09/15/2022 | MO |
| SM22-2510B | Conductance | 62.6 | | umhos/cm | 0.5 | 09/16/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 09/16/2022 | MO |
| EPA 200.7 | Magnesium | 1150 | | ug/L | 1000 | 09/15/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 11/03/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3170

EMAIL 11/3/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY17105**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : ES LG
Bottle No : A7732 B739 C2527

Collection Point : POE

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 09/22/2022 AT 11:20:00AM
Submitted On : 09/22/2022 AT 1:24:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.62 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.53 PH
.867 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 16.6 | | mg/L | 5.0 | 10/03/2022 | MO |
| EPA 200.7 | Calcium | 6170 | | ug/L | 1000 | 10/19/2022 | MO |
| SM22-2510B | Conductance | 66.5 | | umhos/cm | 0.5 | 09/30/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 10/20/2022 | MO |
| EPA 200.7 | Magnesium | 1180 | | ug/L | 1000 | 10/19/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 10/21/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3140

EMAIL 10/21/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY18077**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : LG AG
Bottle No : A8105 B167 C1502

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 10/06/2022 AT 12:00:00PM
Submitted On : 10/06/2022 AT 1:14:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.60 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.57 PH .874 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.6 | | mg/L | 5.0 | 10/17/2022 | MO |
| EPA 200.7 | Calcium | 5990 | | ug/L | 1000 | 10/24/2022 | MO |
| SM22-2510B | Conductance | 69.2 | | umhos/cm | 0.5 | 10/14/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 10/25/2022 | MO |
| EPA 200.7 | Magnesium | 1200 | | ug/L | 1000 | 10/24/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 10/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3153

EMAIL 10/26/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : ES
Bottle No : A7559 B1272 C3192

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 10/20/2022 AT 7:45:00AM
Submitted On : 10/20/2022 AT 8:19:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.36 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : .86 NTU .871 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.0 | | mg/L | 5.0 | 11/02/2022 | MO |
| EPA 200.7 | Calcium | 5730 | | ug/L | 1000 | 11/02/2022 | MO |
| SM22-2510B | Conductance | 57.4 | | umhos/cm | 0.5 | 10/24/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 11/03/2022 | MO |
| EPA 200.7 | Magnesium | 1200 | | ug/L | 1000 | 11/02/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 11/03/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3171

EMAIL 11/3/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : ES
Bottle No : A6380 B782 C4324

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 11/03/2022 AT 1:10:00PM
Submitted On : 11/03/2022 AT 1:35:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.36 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.56 PH .869 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.3 | | mg/L | 5.0 | 11/09/2022 | MO |
| EPA 200.7 | Calcium | 6080 | | ug/L | 1000 | 11/17/2022 | MO |
| SM22-2510B | Conductance | 61.4 | | umhos/cm | 0.5 | 11/04/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 11/18/2022 | MO |
| EPA 200.7 | Magnesium | 1210 | | ug/L | 1000 | 11/17/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 11/22/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3213**EMAIL** 11/22/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : LG
Bottle No : A8061 B1024 C0675

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 11/17/2022 AT 4:40:00AM
Submitted On : 11/17/2022 AT 10:46:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.41 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.71 PH .898 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 15.1 | | mg/L | 5.0 | 11/18/2022 | MO |
| EPA 200.7 | Calcium | 6340 | | ug/L | 1000 | 11/21/2022 | MO |
| SM22-2510B | Conductance | 59.2 | | umhos/cm | 0.5 | 11/18/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 11/22/2022 | MO |
| EPA 200.7 | Magnesium | 1260 | | ug/L | 1000 | 11/21/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 11/22/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3217**EMAIL** 11/23/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY

Received By : ES
Bottle No : A7960 B858 C3594

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 12/01/2022 AT 9:45:00AM
Submitted On : 12/01/2022 AT 10:58:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.27 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.56 PH .882 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.1 | | mg/L | 5.0 | 12/05/2022 | MO |
| EPA 200.7 | Calcium | 6430 | | ug/L | 1000 | 12/06/2022 | MO |
| SM22-2510B | Conductance | 67.2 | | umhos/cm | 0.5 | 12/09/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 12/07/2022 | MO |
| EPA 200.7 | Magnesium | 1290 | | ug/L | 1000 | 12/06/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 12/13/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3264**EMAIL** 12/13/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : ES AG
Bottle No : A7745 B1029 C0613

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 12/15/2022 AT 11:15:00AM
Submitted On : 12/15/2022 AT 12:38:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.46 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.44 PH .884 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.9 | | mg/L | 5.0 | 12/21/2022 | MO |
| EPA 200.7 | Calcium | 6210 | | ug/L | 1000 | 01/03/2023 | MO |
| SM22-2510B | Conductance | 65.9 | | umhos/cm | 0.5 | 12/22/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 01/04/2023 | MO |
| EPA 200.7 | Magnesium | 1300 | | ug/L | 1000 | 01/03/2023 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 01/10/2023**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3332**EMAIL** 1/10/2023

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : SHAFT #10 P.S.
401 NEPERAN RD
TARRYTOWN, NY 10591

Received By : LG ES
Bottle No : A7813 B146 C5046

Collection Point : P.O.E.

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 12/29/2022 AT 10:00:00AM
Submitted On : 12/29/2022 AT 10:43:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.12 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.62 PH .878 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.5 | | mg/L | 5.0 | 12/30/2022 | MO |
| EPA 200.7 | Calcium | 5840 | | ug/L | 1000 | 01/04/2023 | MO |
| SM22-2510B | Conductance | 88.9 | | umhos/cm | 0.5 | 01/12/2023 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 01/05/2023 | MO |
| EPA 200.7 | Magnesium | 1240 | | ug/L | 1000 | 01/04/2023 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 01/13/2023**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3340**EMAIL** 1/17/2023

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY00319**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : HIGH TANK
13 CARRIAGE TRAIL
TARRYTOWN, NY

Received By : KB
Bottle No : A7957 B969 C3507

Collection Point : EFF PIPE TAP

ID of Source : CATSKILL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By :
Collection Date : 01/05/2022 AT 10:54:00AM
Submitted On : 01/05/2022 AT 11:45:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 0.79 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.49 PH
0.846 P04

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 15.0 | | mg/L | 5.0 | 01/11/2022 | MO |
| EPA 200.7 | Calcium | 6290 | | ug/L | 1000 | 01/07/2022 | MO |
| SM22-2510B | Conductance | 66.3 | | umhos/cm | 0.5 | 01/21/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 22 | | mg/L | 1 | 01/10/2022 | MO |
| EPA 200.7 | Magnesium | 1440 | | ug/L | 1000 | 01/07/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 01/25/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2340

EMAIL 1/25/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY05703**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : HIGH TANK
13 CARRAIGE TRAIL
TARRYTOWN, NY 10591

Received By : AG
Bottle No : A8057 B1282 C0666

Collection Point : EFF. PIPE TAP

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 04/06/2022 AT 1:05:00PM
Submitted On : 04/06/2022 AT 1:44:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .72 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW

Comment : 7.49 PH
.874 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.6 | | mg/L | 5.0 | 04/08/2022 | MO |
| EPA 200.7 | Calcium | 6020 | | ug/L | 1000 | 04/07/2022 | MO |
| SM22-2510B | Conductance | 57.4 | | umhos/cm | 0.5 | 04/21/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 04/08/2022 | MO |
| EPA 200.7 | Magnesium | 1270 | | ug/L | 1000 | 04/07/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 04/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2621

EMAIL 4/29/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY00433**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : WARNER LIBRARY
WILDEY ST.
TARRYTOWN, NY

Received By : JM AG
Bottle No : A7785 B1083 C1362

Collection Point : OFFICE SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : SC
Collection Date : 01/07/2022 AT 10:15:00AM
Submitted On : 01/07/2022 AT 10:37:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 0.41 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.53 P04 . 822 P04

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.5 | | mg/L | 5.0 | 01/11/2022 | MO |
| EPA 200.7 | Calcium | 5960 | | ug/L | 1000 | 01/18/2022 | MO |
| SM22-2510B | Conductance | 65.2 | | umhos/cm | 0.5 | 01/21/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 01/19/2022 | MO |
| EPA 200.7 | Magnesium | 1360 | | ug/L | 1000 | 01/18/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 01/25/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2340

EMAIL 1/25/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY06191**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : WARNER LIBRARY
WILDEY ST
TARRYTOWN, NY 10591

Received By : KB AG
Bottle No : A7966 B1025 C0859

Collection Point : OFFICE SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 04/13/2022 AT 9:10:00AM
Submitted On : 04/13/2022 AT 12:33:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .45 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.48 PH .861 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.2 | | mg/L | 5.0 | 04/21/2022 | MO |
| EPA 200.7 | Calcium | 6560 | | ug/L | 1000 | 04/27/2022 | MO |
| SM22-2510B | Conductance | 70.3 | | umhos/cm | 0.5 | 04/29/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 22 | | mg/L | 1 | 04/28/2022 | MO |
| EPA 200.7 | Magnesium | 1390 | | ug/L | 1000 | 04/27/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 05/03/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2631

EMAIL 5/3/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY00556**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : WASHINGTON ENG.
WHITE PLAINS RD
TARRYTOWN, NY 10591

Received By : JLM KB
Bottle No : A6342 B713 C0175

Collection Point : MENS ROOM SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 01/10/2022 AT 10:50:00AM
Submitted On : 01/10/2022 AT 1:40:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .31 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.49 PH .831 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 22.9 | | mg/L | 5.0 | 01/11/2022 | MO |
| EPA 200.7 | Calcium | 9180 | | ug/L | 1000 | 01/18/2022 | MO |
| SM22-2510B | Conductance | 61.6 | | umhos/cm | 0.5 | 01/21/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 28 | | mg/L | 1 | 01/19/2022 | MO |
| EPA 200.7 | Magnesium | 1120 | | ug/L | 1000 | 01/18/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 01/25/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2340

EMAIL 1/25/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY06640**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : WASHINGTON ENGINE
WHITE PLAINS RD
TARRYTOWN, NY 10591

Received By : KB AG
Bottle No : A7583 B1021 C0661

Collection Point : BATHROOM SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : MALTESE
Collection Date : 04/20/2022 AT 1:26:00PM
Submitted On : 04/20/2022 AT 1:45:00PM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000
pH :

Free Cl2 : .23 **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.49 PH .858 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 20.2 | | mg/L | 5.0 | 04/25/2022 | MO |
| EPA 200.7 | Calcium | 8920 | | ug/L | 1000 | 05/04/2022 | MO |
| SM22-2510B | Conductance | 82.4 | | umhos/cm | 0.5 | 04/29/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 27 | | mg/L | 1 | 05/05/2022 | MO |
| EPA 200.7 | Magnesium | 1120 | | ug/L | 1000 | 05/04/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 05/05/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2640

EMAIL 5/5/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY01567**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : DPW
4 DIVISION ST
TARRYTOWN, NY 10591

Received By : KB
Bottle No : A8023 B1046 C0524

Collection Point : WATER DEPT. SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 01/27/2022 AT 10:35:00AM
Submitted On : 01/27/2022 AT 11:18:00AM
PWS No. : 5903461
Type Descriptor : 000 **Source ID :** 000
pH :
Free Cl2 : .47 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.53 PH .844 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.2 | | mg/L | 5.0 | 01/28/2022 | MO |
| EPA 200.7 | Calcium | 5320 | | ug/L | 1000 | 02/01/2022 | MO |
| SM22-2510B | Conductance | 55.8 | | umhos/cm | 0.5 | 02/04/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 18 | | mg/L | 1 | 02/01/2022 | MO |
| EPA 200.7 | Magnesium | 1120 | | ug/L | 1000 | 02/01/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 02/07/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2378

EMAIL 2/7/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY06807**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : DPW
4 DIVISION ST
TARRYTOWN, NY 10591

Received By : KB AG
Bottle No : A7958 B1076 C0961

Collection Point : WATER DEPT. SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 04/22/2022 AT 10:50:00AM
Submitted On : 04/22/2022 AT 11:16:00AM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000
pH :

Free Cl2 : .53 **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.56 PH .858 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.2 | | mg/L | 5.0 | 04/25/2022 | MO |
| EPA 200.7 | Calcium | 6320 | | ug/L | 1000 | 05/04/2022 | MO |
| SM22-2510B | Conductance | 75.5 | | umhos/cm | 0.5 | 04/29/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 05/05/2022 | MO |
| EPA 200.7 | Magnesium | 1330 | | ug/L | 1000 | 05/04/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 05/05/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2640

EMAIL 5/5/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY01938**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : MARYMOUNT
MARYMOUNT AVE
TARRYTOWN, NY 10591

Received By : KB AG
Bottle No : A7582 B544 C0190

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 02/02/2022 AT 10:38:00AM
Submitted On : 02/02/2022 AT 10:59:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .86 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.44 PH .858 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.9 | | mg/L | 5.0 | 02/03/2022 | MO |
| EPA 200.7 | Calcium | 5700 | | ug/L | 1000 | 02/16/2022 | MO |
| SM22-2510B | Conductance | 55.3 | | umhos/cm | 0.5 | 02/04/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 02/17/2022 | MO |
| EPA 200.7 | Magnesium | 1200 | | ug/L | 1000 | 02/16/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 02/18/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2420

EMAIL 2/18/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : MARYMOUNT
MARYMOUNT AVE
TARRYTOWN, NY 10591

Received By : AG
Bottle No : A7588 B822 C3147

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 05/02/2022 AT 11:15:00AM
Submitted On : 05/02/2022 AT 1:16:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .84 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.51 PH .887 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.5 | | mg/L | 5.0 | 05/11/2022 | MO |
| EPA 200.7 | Calcium | 6150 | | ug/L | 1000 | 05/19/2022 | MO |
| SM22-2510B | Conductance | 70.8 | | umhos/cm | 0.5 | 05/20/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 05/20/2022 | MO |
| EPA 200.7 | Magnesium | 1320 | | ug/L | 1000 | 05/19/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 05/26/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 2712**EMAIL** 5/26/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY02465**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : VILLAGE HALL
1 DEPOT PLAZA
TARRYTOWN, NY 10591

Received By : KB AG
Bottle No : A7744 B932 C0905

Collection Point : LUNCH ROOM SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 02/10/2022 AT 10:25:00AM
Submitted On : 02/10/2022 AT 10:47:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .33 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.49 PH .829 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.9 | | mg/L | 5.0 | 02/18/2022 | MO |
| EPA 200.7 | Calcium | 6160 | | ug/L | 1000 | 02/16/2022 | MO |
| SM22-2510B | Conductance | 64.9 | | umhos/cm | 0.5 | 02/24/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 02/17/2022 | MO |
| EPA 200.7 | Magnesium | 1250 | | ug/L | 1000 | 02/16/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 03/04/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2457

EMAIL 3/4/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : VILLAGE HALL
1 DEPOT PLAZA
TARRYTOWN, NY 10591

Received By : KB JLM
Bottle No : A7785 B710 C952

Collection Point : KITCHEN SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : MALTESE
Collection Date : 05/12/2022 AT 9:45:00AM
Submitted On : 05/12/2022 AT 10:44:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .32 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : PH 7.34 POY .0888

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.9 | | mg/L | 5.0 | 05/13/2022 | MO |
| EPA 200.7 | Calcium | 6850 | | ug/L | 1000 | 05/26/2022 | MO |
| SM22-2510B | Conductance | 66.9 | | umhos/cm | 0.5 | 05/20/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 23 | | mg/L | 1 | 05/27/2022 | MO |
| EPA 200.7 | Magnesium | 1500 | | ug/L | 1000 | 05/26/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 06/02/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 2726**EMAIL** 6/2/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY04579**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : HACKLEY SCHOOL
BENEDICT AVE
TARRYTOWN, NY 10591

Received By : AG
Bottle No : A6297 B544 C0709

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 03/16/2022 AT 11:38:00AM
Submitted On : 03/16/2022 AT 11:56:00AM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000

pH :

Free Cl2 : .61

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : PH 7.47
.854 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.5 | | mg/L | 5.0 | 03/25/2022 | MO |
| EPA 200.7 | Calcium | 6560 | | ug/L | 1000 | 03/25/2022 | MO |
| SM22-2510B | Conductance | 60.0 | | umhos/cm | 0.5 | 03/31/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 56 | | mg/L | 1 | 03/28/2022 | MO |
| EPA 200.7 | Magnesium | 9500 | | ug/L | 1000 | 03/25/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt

QA Officer

Date Approved : 04/12/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2574

EMAIL 4/12/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : HACKLEY SCHOOL
BENEDICT AVE
TARRYTOWN, NY 10591

Received By : KB JLM
Bottle No : A6422 B1105 C4068

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 06/15/2022 AT 10:15:00AM
Submitted On : 06/15/2022 AT 10:35:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .69 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : PH 7.49
POY .878

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.7 | | mg/L | 5.0 | 06/22/2022 | MO |
| EPA 200.7 | Calcium | 5910 | | ug/L | 1000 | 06/27/2022 | MO |
| SM22-2510B | Conductance | 70.4 | | umhos/cm | 0.5 | 07/01/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 06/28/2022 | MO |
| EPA 200.7 | Magnesium | 1260 | | ug/L | 1000 | 06/27/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 07/11/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 2844**EMAIL** 7/11/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : DOUBLETREE HOTEL
S. BROADWAY
TARRYTOWN, NY 10591

Received By : AG
Bottle No : A7860 B207 C0975

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 02/24/2022 AT 11:15:00AM
Submitted On : 02/24/2022 AT 1:14:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .37 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.51 PH .851 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.0 | | mg/L | 5.0 | 03/02/2022 | MO |
| EPA 200.7 | Calcium | 5770 | | ug/L | 1000 | 03/06/2022 | MO |
| SM22-2510B | Conductance | 54.7 | | umhos/cm | 0.5 | 03/11/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 03/08/2022 | MO |
| EPA 200.7 | Magnesium | 1200 | | ug/L | 1000 | 03/06/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt**QA Officer****Date Approved :** 03/20/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 2517**EMAIL** 3/21/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : DOUBLETREE HOTEL
S. BROADWAY
TARRYTOWN, NY 10591

Received By : RT JLM
Bottle No : A7670 B372 C3078

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 05/16/2022 AT 9:00:00AM
Submitted On : 05/16/2022 AT 10:47:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .27 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.59 PH .856 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.6 | | mg/L | 5.0 | 05/25/2022 | MO |
| EPA 200.7 | Calcium | 6490 | | ug/L | 1000 | 06/01/2022 | MO |
| SM22-2510B | Conductance | 62.5 | | umhos/cm | 0.5 | 05/20/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 22 | | mg/L | 1 | 06/01/2022 | MO |
| EPA 200.7 | Magnesium | 1440 | | ug/L | 1000 | 06/01/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 06/01/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 2724**EMAIL** 6/2/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : MAIN ST. FIREHOUSE
MAIN ST.
TARRYTOWN, NY**Received By :** KB AG
Bottle No : A7654 B698 C0527**Collection Point :** KITCHEN SINK**ID of Source :** CATSKILL**Agency :** Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles**Collected By :** S. COWLES
Collection Date : 03/10/2022 AT 9:50:00AM
Submitted On : 03/10/2022 AT 10:13:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 0.27 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.57 PH 0.849 PO4**addt'l Report To :**

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.1 | | mg/L | 5.0 | 03/18/2022 | MO |
| EPA 200.7 | Calcium | 6220 | | ug/L | 1000 | 03/25/2022 | MO |
| SM22-2510B | Conductance | 58.3 | | umhos/cm | 0.5 | 03/11/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 54 | | mg/L | 1 | 03/28/2022 | MO |
| EPA 200.7 | Magnesium | 9330 | | ug/L | 1000 | 03/25/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt**QA Officer****Date Approved :** 03/30/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 2544**EMAIL** 3/30/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : MAIN ST FIREHOUSE
MAIN ST
TARRYTOWN, NY 10591

Received By : AG JLM
Bottle No : A7747 B668 C0006

Collection Point : KITCHEN SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 06/06/2022 AT 10:15:00AM
Submitted On : 06/06/2022 AT 10:44:00AM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000

pH :

Free Cl2 : .47

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.49 PH
.902 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.7 | | mg/L | 5.0 | 06/13/2022 | MO |
| EPA 200.7 | Calcium | 5580 | | ug/L | 1000 | 06/14/2022 | MO |
| SM22-2510B | Conductance | 72.1 | | umhos/cm | 0.5 | 06/17/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 06/15/2022 | MO |
| EPA 200.7 | Magnesium | 1240 | | ug/L | 1000 | 06/14/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 06/23/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2801

EMAIL 6/23/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : TAPPAN LANDING APTS.
TAPPAN LANDING RD
TARRYTOWN, NY 10591

Received By : AG
Bottle No : A7620 B1064 C0834

Collection Point : LAUNDRY ROOM SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 03/24/2022 AT 11:05:00AM
Submitted On : 03/24/2022 AT 11:38:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .68 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.60 PH .857 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.8 | | mg/L | 5.0 | 03/25/2022 | MO |
| EPA 200.7 | Calcium | 5960 | | ug/L | 1000 | 03/31/2022 | MO |
| SM22-2510B | Conductance | 56.2 | | umhos/cm | 0.5 | 04/01/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 04/03/2022 | MO |
| EPA 200.7 | Magnesium | 1310 | | ug/L | 1000 | 03/31/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt**QA Officer****Date Approved :** 04/13/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 2575**EMAIL** 4/13/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : TAPPAN LANDING APTS.
TAPPAN LANDING RD
TARRYTOWN, NY 10591

Received By : AG KB
Bottle No : A8074 B794 C0708

Collection Point : LAUNDRY ROOM SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 06/22/2022 AT 12:08:00PM
Submitted On : 06/22/2022 AT 12:49:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .43 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.43 PH .899 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.1 | | mg/L | 5.0 | 06/30/2022 | MO |
| EPA 200.7 | Calcium | 5950 | | ug/L | 1000 | 06/29/2022 | MO |
| SM22-2510B | Conductance | 63.9 | | umhos/cm | 0.5 | 07/08/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 06/30/2022 | MO |
| EPA 200.7 | Magnesium | 1250 | | ug/L | 1000 | 06/29/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 07/19/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 2878**EMAIL** 7/19/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY11732**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : HIGH TANK
13 CARRAIGE TRAIL
TARRYTOWN, NY 10591

Received By : KB AG
Bottle No : A7717 B1245 C3362

Collection Point : EFF PIPE TAP

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 07/07/2022 AT 10:40:00AM
Submitted On : 07/07/2022 AT 12:47:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .39 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.53 PH .861 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.9 | | mg/L | 5.0 | 07/18/2022 | MO |
| EPA 200.7 | Calcium | 5440 | | ug/L | 1000 | 07/19/2022 | MO |
| SM22-2510B | Conductance | 70.6 | | umhos/cm | 0.5 | 07/15/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 18 | | mg/L | 1 | 07/20/2022 | MO |
| EPA 200.7 | Magnesium | 1140 | | ug/L | 1000 | 07/19/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 07/21/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2886

EMAIL 7/21/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : HIGH TANK
13 CARRAIGE TRAIL
TARRYTOWN, NY 10591

Received By : ES
Bottle No : A7927 B685 C1596

Collection Point : EFF PIPE TAP

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 10/05/2022 AT 11:00:00AM
Submitted On : 10/05/2022 AT 11:52:00AM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000
pH :

Free Cl2 : .25 **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.51 PH .838 PO4 temp. 14 deg C

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 15.0 | | mg/L | 5.0 | 10/17/2022 | MO |
| EPA 200.7 | Calcium | 36700 | | ug/L | 1000 | 10/24/2022 | MO |
| SM22-2510B | Conductance | 69.7 | | umhos/cm | 0.5 | 10/14/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 97 | | mg/L | 1 | 10/25/2022 | MO |
| EPA 200.7 | Magnesium | 1370 | | ug/L | 1000 | 10/24/2022 | MO |
| EPA 200.8 | Manganese | 19.6 | | ug/L | 1.0 | 10/06/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 10/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3153

EMAIL 10/26/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : MAIN STREET FIREHOUSE
MAIN STREET
TARRYTOWN, NY

Received By : KB
Bottle No : A7572 B699 C3234

Collection Point : KITCHEN SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : COWLES
Collection Date : 07/22/2022 AT 9:05:00AM
Submitted On : 07/22/2022 AT 11:13:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .72 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.59 PH.884 P04

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 12.9 | | mg/L | 5.0 | 07/26/2022 | MO |
| EPA 200.7 | Calcium | 5920 | | ug/L | 1000 | 08/10/2022 | MO |
| SM22-2510B | Conductance | 53.8 | | umhos/cm | 0.5 | 08/05/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 08/11/2022 | MO |
| EPA 200.7 | Magnesium | 1220 | | ug/L | 1000 | 08/10/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 08/11/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 2942**EMAIL** 8/11/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY18561**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : MAIN ST. FIREHOUSE
MAIN ST
TARRYTOWN, NY 10591

Received By : ES KB
Bottle No : A7917 B74 C1279

Collection Point : KITCHEN SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 10/14/2022 AT 8:35:00AM
Submitted On : 10/14/2022 AT 9:07:00AM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000
pH :

Free Cl2 : .71 **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.59 PH .842 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.5 | | mg/L | 5.0 | 10/17/2022 | MO |
| EPA 200.7 | Calcium | 5980 | | ug/L | 1000 | 11/02/2022 | MO |
| SM22-2510B | Conductance | 63.2 | | umhos/cm | 0.5 | 10/21/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 11/03/2022 | MO |
| EPA 200.7 | Magnesium | 1210 | | ug/L | 1000 | 11/02/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 11/03/2022

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

EMAIL Copy 5/8/2023

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : WASHINGTON ENGINE
WHITE PLAINS RD
TARRYTOWN, NY 10591

Received By : KB AG
Bottle No : A7598 B923 C2802

Collection Point : MENS ROOM SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 07/25/2022 AT 10:53:00AM
Submitted On : 07/25/2022 AT 12:26:00PM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000

pH :

Free Cl2 : .40

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.58 PH
.880 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 16.4 | | mg/L | 5.0 | 07/26/2022 | MO |
| EPA 200.7 | Calcium | 6970 | | ug/L | 1000 | 08/10/2022 | MO |
| SM22-2510B | Conductance | 59.0 | | umhos/cm | 0.5 | 08/05/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 22 | | mg/L | 1 | 08/11/2022 | MO |
| EPA 200.7 | Magnesium | 1130 | | ug/L | 1000 | 08/10/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 08/11/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2942

EMAIL 8/11/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : WASHINGTON ENGINE
WHITE PLAINS RD
TARRYTOWN, NY 10591

Received By : KB ES
Bottle No : A7796 B794 C3507

Collection Point : MENS ROOM SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 10/19/2022 AT 10:35:00AM
Submitted On : 10/19/2022 AT 11:01:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .77 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.53 PH .849 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 21.2 | | mg/L | 5.0 | 11/02/2022 | MO |
| EPA 200.7 | Calcium | 8230 | | ug/L | 1000 | 11/02/2022 | MO |
| SM22-2510B | Conductance | 69.2 | | umhos/cm | 0.5 | 10/24/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 25 | | mg/L | 1 | 11/03/2022 | MO |
| EPA 200.7 | Magnesium | 1060 | | ug/L | 1000 | 11/02/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 11/03/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3171**EMAIL** 11/3/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : DPW
4 DIVISION ST
TARRYTOWN, NY 10591

Received By : AG
Bottle No : A7722 B1046 C3288

Collection Point : WATER DEPT. SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 07/27/2022 AT 10:50:00AM
Submitted On : 07/27/2022 AT 1:12:00PM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000
pH :

Free Cl2 : .67 **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.48 PH .893 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.2 | | mg/L | 5.0 | 08/08/2022 | MO |
| EPA 200.7 | Calcium | 5730 | | ug/L | 1000 | 08/10/2022 | MO |
| SM22-2510B | Conductance | 57.3 | | umhos/cm | 0.5 | 08/05/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 08/11/2022 | MO |
| EPA 200.7 | Magnesium | 1150 | | ug/L | 1000 | 08/10/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 08/11/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2942

EMAIL 8/11/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : DPW
4 DIVISION ST
TARRYTOWN, NY 10591

Received By : LG
Bottle No : A7534 B1065 C0640

Collection Point : WATER DEPT. SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 10/27/2022 AT 10:00:00AM
Submitted On : 10/27/2022 AT 12:08:00PM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000
pH :

Free Cl2 : .68 **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.59 PH .852 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.5 | | mg/L | 5.0 | 11/02/2022 | MO |
| EPA 200.7 | Calcium | 6920 | | ug/L | 1000 | 11/16/2022 | MO |
| SM22-2510B | Conductance | 59.8 | | umhos/cm | 0.5 | 10/28/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 22 | | mg/L | 1 | 11/17/2022 | MO |
| EPA 200.7 | Magnesium | 1250 | | ug/L | 1000 | 11/16/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 11/21/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3213

EMAIL 11/22/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : MARYMOUNT
MARYMOUNT AVE
TARRYTOWN, NY 10591

Received By : JLM KB
Bottle No : A7873 B438 C073

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 08/11/2022 AT 11:15:00AM
Submitted On : 08/11/2022 AT 12:14:00PM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.55 PH .844 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 13.9 | | mg/L | 5.0 | 08/16/2022 | MO |
| EPA 200.7 | Calcium | 5820 | | ug/L | 1000 | 08/24/2022 | MO |
| SM22-2510B | Conductance | 59.0 | | umhos/cm | 0.5 | 08/19/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 08/25/2022 | MO |
| EPA 200.7 | Magnesium | 1140 | | ug/L | 1000 | 08/24/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 08/26/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2987

EMAIL 8/26/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : MARYMOUNT
MARYMOUNT AVE
TARRYTOWN, NY 10591

Received By : ES
Bottle No : A6459 B793 C0609

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 11/04/2022 AT 10:15:00AM
Submitted On : 11/04/2022 AT 2:30:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.19 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.53 PH .870 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.5 | | mg/L | 5.0 | 11/09/2022 | MO |
| EPA 200.7 | Calcium | 5890 | | ug/L | 1000 | 11/17/2022 | MO |
| SM22-2510B | Conductance | 59.7 | | umhos/cm | 0.5 | 11/10/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 11/18/2022 | MO |
| EPA 200.7 | Magnesium | 1180 | | ug/L | 1000 | 11/17/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 11/22/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3213**EMAIL** 11/22/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY14801**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : VILLAGE HALL
1 DEPOT PLAZA
TARRYTOWN, NY 10591

Received By : KB AG
Bottle No : A8078 B412 C0106

Collection Point : KITCHEN SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 08/19/2022 AT 10:40:00AM
Submitted On : 08/19/2022 AT 12:26:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .24 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW

Comment : 7.59 PH
.839 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.9 | | mg/L | 5.0 | 08/25/2022 | MO |
| EPA 200.7 | Calcium | 5880 | | ug/L | 1000 | 08/24/2022 | MO |
| SM22-2510B | Conductance | 62.0 | | umhos/cm | 0.5 | 08/26/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 08/25/2022 | MO |
| EPA 200.7 | Magnesium | 1120 | | ug/L | 1000 | 08/24/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 08/30/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 2993

EMAIL 8/30/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY21901**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : VILLAGE HALL
1 DEPOT PLAZA
TARRYTOWN, NY 10591

Received By : ES AG
Bottle No : A8069 B1237 C2616

Collection Point : KITCHEN SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 12/07/2022 AT 11:35:00AM
Submitted On : 12/07/2022 AT 1:09:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .51 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.51 PH .844 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 15.2 | | mg/L | 5.0 | 12/14/2022 | MO |
| EPA 200.7 | Calcium | 6940 | | ug/L | 1000 | 12/13/2022 | MO |
| SM22-2510B | Conductance | 64.9 | | umhos/cm | 0.5 | 12/16/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 23 | | mg/L | 1 | 12/14/2022 | MO |
| EPA 200.7 | Magnesium | 1310 | | ug/L | 1000 | 12/13/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.

Chief of Env. Lab Services

Date Approved : 12/23/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3289

EMAIL 12/23/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : DOUBLETREE HOTEL
S. BROADWAY
TARRYTOWN, NY 10591

Received By : KB JLM
Bottle No : A7948 B1293 C0143

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 08/23/2022 AT 9:43:00AM
Submitted On : 08/23/2022 AT 9:43:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .73 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.61 PH .839 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 15.0 | | mg/L | 5.0 | 08/25/2022 | MO |
| EPA 200.7 | Calcium | 5910 | | ug/L | 1000 | 08/24/2022 | MO |
| SM22-2510B | Conductance | 67.4 | | umhos/cm | 0.5 | 08/26/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 08/25/2022 | MO |
| EPA 200.7 | Magnesium | 1100 | | ug/L | 1000 | 08/24/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/02/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3004**EMAIL** 9/2/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : DOUBLE TREE
S BROADWAY
TARRYTOWN, NY

Received By : AG
Bottle No : A7550 B508 C0947

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : COWLES
Collection Date : 11/18/2022 AT 12:05:00PM
Submitted On : 11/18/2022 AT 12:57:00PM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :** 000
pH :

Free Cl2 : .62 **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.26 PH .851 P04

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.4 | | mg/L | 5.0 | 11/28/2022 | MO |
| EPA 200.7 | Calcium | 6270 | | ug/L | 1000 | 11/21/2022 | MO |
| SM22-2510B | Conductance | 66.4 | | umhos/cm | 0.5 | 11/18/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 11/22/2022 | MO |
| EPA 200.7 | Magnesium | 1240 | | ug/L | 1000 | 11/21/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt Jr.**

Chief of Env. Lab Services

Date Approved : 11/29/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3226

EMAIL 11/29/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY16153**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : WARNER LIBRARY
WILDEY ST
TARRYTOWN, NY

Received By : KB ES
Bottle No : A8067 B636 C0723

Collection Point : OFFICE SINK

ID of Source : CATSKILL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : COWLES
Collection Date : 09/09/2022 AT 11:40:00AM
Submitted On : 09/09/2022 AT 12:18:00PM
PWS No. : 5903461

Type Descriptor : 022 **Source ID :**
pH :

Free Cl2 : .40 **Residual Cl2 :**

Sample chilled on arrival ? : YES

Sample Type : POT_DW

Comment : 7.59 PH .869 PO4

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.4 | | mg/L | 5.0 | 09/14/2022 | MO |
| EPA 200.7 | Calcium | 5740 | | ug/L | 1000 | 09/15/2022 | MO |
| SM22-2510B | Conductance | 64.1 | | umhos/cm | 0.5 | 09/16/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 19 | | mg/L | 1 | 09/16/2022 | MO |
| EPA 200.7 | Magnesium | 1140 | | ug/L | 1000 | 09/15/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 09/20/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3051

EMAIL 9/20/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : WARNER LIBRARY
WILDEY ST
TARRYTOWN, NY 10591

Received By : ES AG
Bottle No : A8105 B679 C0269

Collection Point : OFFICE SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 12/15/2022 AT 11:30:00AM
Submitted On : 12/15/2022 AT 12:38:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .52 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.52 PH .884 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.0 | | mg/L | 5.0 | 12/21/2022 | MO |
| EPA 200.7 | Calcium | 6400 | | ug/L | 1000 | 01/03/2023 | MO |
| SM22-2510B | Conductance | 69.3 | | umhos/cm | 0.5 | 12/22/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 01/04/2023 | MO |
| EPA 200.7 | Magnesium | 1330 | | ug/L | 1000 | 01/03/2023 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 01/10/2023**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3332**EMAIL** 1/10/2023

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : HACKLEY SCHOOL
BENEDICT AVE
TARRYTOWN, NY 10591

Received By : LG ES
Bottle No : A6480 B792 C1255

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 09/12/2022 AT 12:35:00PM
Submitted On : 09/12/2022 AT 1:33:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .83 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.52 PH .874 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 15.7 | | mg/L | 5.0 | 09/14/2022 | MO |
| EPA 200.7 | Calcium | 6140 | | ug/L | 1000 | 09/15/2022 | MO |
| SM22-2510B | Conductance | 58.2 | | umhos/cm | 0.5 | 09/16/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 09/16/2022 | MO |
| EPA 200.7 | Magnesium | 1110 | | ug/L | 1000 | 09/15/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 09/20/2022**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3051**EMAIL** 9/20/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : HACKLEY SCHOOL
BENEDICT AVE
TARRYTOWN, NY 10591

Received By : LG AG
Bottle No : A7881 B608 C1132

Collection Point : HYDRANT

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 12/21/2022 AT 10:20:00AM
Submitted On : 12/21/2022 AT 12:55:00PM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .86 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.50 PH .858 POY

addt'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.6 | | mg/L | 5.0 | 12/21/2022 | MO |
| EPA 200.7 | Calcium | 6310 | | ug/L | 1000 | 01/03/2023 | MO |
| SM22-2510B | Conductance | 76.8 | | umhos/cm | 0.5 | 12/22/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 21 | | mg/L | 1 | 01/04/2023 | MO |
| EPA 200.7 | Magnesium | 1350 | | ug/L | 1000 | 01/03/2023 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos**QA Officer****Date Approved :** 01/10/2023**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3332**EMAIL** 1/10/2023

Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AY17140**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : TAPPAN LANDING APTS.
TAPPAN LANDING RD
TARRYTOWN, NY 10591

Received By : ES AG
Bottle No : A7683 B771 C0473

Collection Point : LAUNDRY ROOM SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 09/23/2022 AT 10:05:00AM
Submitted On : 09/23/2022 AT 10:43:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : 1.02 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.56 PH .839 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 16.0 | | mg/L | 5.0 | 10/03/2022 | MO |
| EPA 200.7 | Calcium | 5930 | | ug/L | 1000 | 10/19/2022 | MO |
| SM22-2510B | Conductance | 66.4 | | umhos/cm | 0.5 | 09/30/2022 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 20 | | mg/L | 1 | 10/20/2022 | MO |
| EPA 200.7 | Magnesium | 1150 | | ug/L | 1000 | 10/19/2022 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Michele Matos

QA Officer

Date Approved : 10/21/2022

Environmental Laboratories

NYS ELAP # 10108

(914) 231-1620

Report Number: 3140

EMAIL 10/21/2022

Page 1 of 1

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : TAPPAN LANDING APTS.
TAPPAN LANDING RD
TARRYTOWN, NY 10591

Received By : LG ES
Bottle No : A8102 B1083 C0164

Collection Point : LAUNDRY ROOM SINK

ID of Source : DEL

Agency : Tarrytown, Village of
One Depot Plaza
Tarrytown, NY 10591
Attn: Steve Cowles

Collected By : S. COWLES
Collection Date : 12/29/2022 AT 10:15:00AM
Submitted On : 12/29/2022 AT 10:43:00AM
PWS No. : 5903461
Type Descriptor : 022 **Source ID :** 000
pH :
Free Cl2 : .74 **Residual Cl2 :**
Sample chilled on arrival ? : YES
Sample Type : POT_DW
Comment : 7.59 PH .851 POY

add'l Report To :

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|-------------------|------------------------------------|---------|-----------|----------|--------|-------------|-----------|
| Inorganics | | | | | | | |
| SM22 2320B | Alkalinity to pH 4.5 as mg CaCO3/L | 14.2 | | mg/L | 5.0 | 12/30/2022 | MO |
| EPA 200.7 | Calcium | 6620 | | ug/L | 1000 | 01/12/2023 | MO |
| SM22-2510B | Conductance | 85.7 | | umhos/cm | 0.5 | 01/12/2023 | JLM |
| EPA 200.7 | Hardness as Calcium Carbonate | 22 | | mg/L | 1 | 01/13/2023 | MO |
| EPA 200.7 | Magnesium | 1340 | | ug/L | 1000 | 01/12/2023 | MO |

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By Robert Hilbrandt Jr.**Chief of Env. Lab Services****Date Approved :** 01/13/2023**Environmental Laboratories****NYS ELAP # 10108****(914) 231-1620****Report Number:** 3340**EMAIL** 1/17/2023

Page 1 of 1

These analytical results relate only to the sample identified in this report.

WATER CONSUMPTION

Monthly Water Consumption Data

Shaft-10 Pump Station Meter – NYC Water Supply
Monthly Water Consumption (gallons)

| Month | 2022 |
|--------------|--------------------|
| January | 36,445,400 |
| February | 30,836,000 |
| March | 36,218,000 |
| April | 35,727,000 |
| May | 38,871,000 |
| June | 41,275,000 |
| July | 53,036,000 |
| August | 54,893,000 |
| September | 41,942,000 |
| October | 38,864,000 |
| November | 35,041,000 |
| December | 39,521,000 |
| | |
| TOTAL | 482,669,400 |

Greenburgh Meter – Sunnyside Lane
(Southeast Section of the Village)
2022 Water Consumption (gallons)

| | |
|--------------|------------------|
| TOTAL | 3,956,000 |
|--------------|------------------|