



Department of Health

KATHY HOCHUL
Governor

JAMES V. McDONALD, M.D., M.P.H.
Commissioner

JOHANNE E. MORNE, M.S.
Executive Deputy Commissioner

March 18, 2025

LAB ID: 11071
DR. RADOSLAW K. BOLEK
HOFFMAN ANALYTIC SERVICES INC DBA ALLOWAY
1776 MARION-WALDO RD
MARION, OH 43302

Dear Dr. Bolek:

Your laboratory's scores for the NYSDOH Non-Potable Water Chemistry Proficiency Test are enclosed.

The NYSDOH Environmental PT Program validates the fitness for use of each sample/analyte used in its PT studies. After the study close date samples/analytes are evaluated again for stability in conjunction with historic pass/fail rates. The evaluation procedures used to establish the assigned value are discussed in the ELAP Certification Manual Item 300. Metrological traceability and measurement uncertainty for value assignment is established using a Type B approach as described in the U.S. Guide to the Expression of Uncertainty in Measurement (ANSI/NCSL Z540-2-1997).

The assigned value is the 'made to' value for the analyte. The mean for scoring is either the predicted mean from the FoPT Tables or the participant consensus mean. The acceptance limits are centered on the mean for scoring and calculated as plus/minus three times the standard deviation or the fixed percentage, as denoted using the % symbol, stated in the report. In some cases, the acceptance limits are manually adjusted to conform with the FoPT table footnotes 4 through 6. In these cases, the standard deviation cannot be used to set the acceptance limits.

From the sample reporting instructions, step 3, provided in the sample shipment package(s); participants are reminded to use the appropriate FoPT PTRLs for "Less Than" reporting of non detects and detections below the PTRL.

The NYSDOH Environmental PT Program does not limit the usage of proficiency test reports by individuals or organizations. The NYSDOH Environmental PT Program only distributes PT reports to the participant and any organization selected by the participant for distribution.

The statistical procedures used to establish study means, standard deviations and acceptance limits are described in the ELAP Certification Manual Item 330. Summary statistics by method and assigned value uncertainties may be requested by contacting dehspt@health.ny.gov. Also, send us your requests, feedback on any issues, or questions related to the PT Program, including the current study at dehspt@health.ny.gov.

Sincerely,

Amy C. DeMarco, PT Program Coordinator
Division of Environmental Health Sciences
NYS Department of Health - Empire State Plaza
Albany NY 12237
Phone: (518) 473-3383

**WADSWORTH CENTER
NEW YORK STATE DEPARTMENT OF HEALTH**

New York ELAP Proficiency Test Report

Lab Id: 11071	HOFFMAN ANALYTIC SERVICES INC DBA ALLOWAY	Shipment Date	: 14-Jan-2025
	1776 MARION-WALDO RD	Closing Date	: 27-Feb-2025
EPA Lab Code: OH01320	MARION, OH 43302	Score Date	: 18-Mar-2025
	(740) 389-5991		
	Director: DR. RADOSLAW K. BOLEK		

NYSDOH Wadsworth Center is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 480 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/Analysis Date	Mean/Assigned Value	Standard Deviation/Fixed %	Acceptance Limits	Score
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Sample: Non Potable Water Color

Color	Color Units	8056	SM		32.0	27.3	3.48	16.9 - 37.8	Satisfactory
Analyte Code: 1605			2120B-2011		2/6/25	28.2		<i>21 passed out of 21 reported results.</i>	

Sample: Non Potable Water Demand

Chemical Oxygen Demand	mg/L	8001	EPA 410.4, Rev. 2.0 (1993)		124	121	8.33	95.8 - 146	Satisfactory
Analyte Code: 1565					2/1/25	123		<i>26 passed out of 27 reported results.</i>	

Organic Carbon, Total	mg/L	8001	SM		52.1	48.2	2.64	40.3 - 56.1	Satisfactory
Analyte Code: 2040			5310B-2014		1/29/25	48.4		<i>22 passed out of 25 reported results.</i>	

Sample: Non Potable Water Mercury, Low Level

Low Level Mercury	ng/L	8058	EPA 1631E		31.1	31.9	3.96	20.0 - 43.8	Satisfactory
Analyte Code: 1095					1/29/25	32.0		<i>5 passed out of 7 reported results.</i>	

Sample: Non Potable Water Inorganic Nutrients

Ammonia (as N)	mg/L	8007	EPA 350.1, Rev. 2.0 (1993)		17.7	17.1	1.09	13.8 - 20.4	Satisfactory
Analyte Code: 1515					2/2/25	17.2		<i>47 passed out of 48 reported results.</i>	

Nitrate-nitrite (as N)	mg/L	8007	SM		23.4	24.4	1.29	20.5 - 28.3	Satisfactory
Analyte Code: 1820			4500-NO3 F-2016		1/30/25	24.5		<i>31 passed out of 32 reported results.</i>	

Nitrate-nitrite (as N)	mg/L	8007	EPA 353.2, Rev. 2.0 (1993)		23.0	24.4	1.29	20.5 - 28.3	Satisfactory
Analyte Code: 1820					1/28/25	24.5		<i>31 passed out of 32 reported results.</i>	

Nitrate (as N)	mg/L	8007	EPA 353.2, Rev. 2.0 (1993)		23.0	24.4	1.3	20.5 - 28.3	Satisfactory
Analyte Code: 1810					1/28/25	24.5		<i>41 passed out of 42 reported results.</i>	

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Shipment: 480 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Inorganic Nutrients									
Nitrate (as N) Analyte Code: 1810	mg/L	8007	SM 4500-NO3 F-2016		23.4 1/30/25	24.4 24.5	1.3	20.5 - 28.3	Satisfactory <i>41 passed out of 42 reported results.</i>
Orthophosphate (as P) Analyte Code: 1870	mg/L	8007	SM 4500-P E-2011		1.95 1/28/25	1.9 1.89	0.0898 15%	1.61 - 2.17	Satisfactory <i>43 passed out of 45 reported results.</i>
Sample: Non Potable Water Surfactants									
Surfactants (as MBAS) Analyte Code: 2025	mg/L	8043	SM 5540C-2011		0.737 2/6/25	0.983 0.95	0.131	0.591 - 1.37	Satisfactory <i>10 passed out of 11 reported results.</i>
Sample: Non Potable Water Metals I and II									
Silver, Total Analyte Code: 1150	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		806 2/4/25	797 800	49 15%	680 - 920	Satisfactory <i>42 passed out of 46 reported results.</i>
Silver, Total Analyte Code: 1150	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		835 2/3/25	797 800	49 15%	680 - 920	Satisfactory <i>42 passed out of 46 reported results.</i>
Silver, Total Analyte Code: 1150	ug/L	8011A	EPA 6020A	EPA 3005A	815 2/4/25	797 800	49 15%	680 - 920	Satisfactory <i>42 passed out of 46 reported results.</i>
Silver, Total Analyte Code: 1150	ug/L	8011A	EPA 6010C	EPA 3005A	830 2/3/25	797 800	49 15%	680 - 920	Satisfactory <i>42 passed out of 46 reported results.</i>
Aluminum, Total Analyte Code: 1000	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		764 1/28/25	771 775	47.7	628 - 914	Satisfactory <i>32 passed out of 32 reported results.</i>
Aluminum, Total Analyte Code: 1000	ug/L	8011A	EPA 6010C	EPA 3010A	741 2/3/25	771 775	47.7	628 - 914	Satisfactory <i>32 passed out of 32 reported results.</i>

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Shipment: 480 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Metals I and II									
Arsenic, Total Analyte Code: 1010	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		262 2/4/25	274 275	16.8	224 - 324	Satisfactory <i>47 passed out of 47 reported results.</i>
Arsenic, Total Analyte Code: 1010	ug/L	8011A	EPA 6020A	EPA 3005A	268 2/4/25	274 275	16.8	224 - 324	Satisfactory <i>47 passed out of 47 reported results.</i>
Arsenic, Total Analyte Code: 1010	ug/L	8011A	EPA 6010C	EPA 3010A	266 2/3/25	274 275	16.8	224 - 324	Satisfactory <i>47 passed out of 47 reported results.</i>
Arsenic, Total Analyte Code: 1010	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		267 2/3/25	274 275	16.8	224 - 324	Satisfactory <i>47 passed out of 47 reported results.</i>
Barium, Total Analyte Code: 1015	ug/L	8011A	EPA 6020A	EPA 3005A	2260 2/4/25	2280 2300	111 15%	1960 - 2650	Satisfactory <i>40 passed out of 40 reported results.</i>
Barium, Total Analyte Code: 1015	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		2250 2/4/25	2280 2300	111 15%	1960 - 2650	Satisfactory <i>40 passed out of 40 reported results.</i>
Barium, Total Analyte Code: 1015	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		2370 2/3/25	2280 2300	111 15%	1960 - 2650	Satisfactory <i>40 passed out of 40 reported results.</i>
Barium, Total Analyte Code: 1015	ug/L	8011A	EPA 6010C	EPA 3010A	2360 2/3/25	2280 2300	111 15%	1960 - 2650	Satisfactory <i>40 passed out of 40 reported results.</i>
Beryllium, Total Analyte Code: 1020	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		329 2/4/25	321 326	16.4 15%	277 - 375	Satisfactory <i>41 passed out of 41 reported results.</i>
Beryllium, Total Analyte Code: 1020	ug/L	8011A	EPA 6020A	EPA 3005A	315 2/4/25	321 326	16.4 15%	277 - 375	Satisfactory <i>41 passed out of 41 reported results.</i>
Beryllium, Total Analyte Code: 1020	ug/L	8011A	EPA 6010C	EPA 3010A	329 2/3/25	321 326	16.4 15%	277 - 375	Satisfactory <i>41 passed out of 41 reported results.</i>

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Shipment: 480 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Metals I and II									
Beryllium, Total Analyte Code: 1020	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		331 2/3/25	321 326	16.4 15%	277 - 375 <i>41 passed out of 41 reported results.</i>	Satisfactory
Cadmium, Total Analyte Code: 1030	ug/L	8011A	EPA 6010C	EPA 3010A	272 2/3/25	272 275	11.4 15%	234 - 316 <i>48 passed out of 48 reported results.</i>	Satisfactory
Cadmium, Total Analyte Code: 1030	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		282 2/3/25	272 275	11.4 15%	234 - 316 <i>48 passed out of 48 reported results.</i>	Satisfactory
Cadmium, Total Analyte Code: 1030	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		275 2/4/25	272 275	11.4 15%	234 - 316 <i>48 passed out of 48 reported results.</i>	Satisfactory
Cadmium, Total Analyte Code: 1030	ug/L	8011A	EPA 6020A	EPA 3005A	277 2/4/25	272 275	11.4 15%	234 - 316 <i>48 passed out of 48 reported results.</i>	Satisfactory
Cobalt, Total Analyte Code: 1050	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		517 2/4/25	524 526	14.4 15%	447 - 605 <i>33 passed out of 33 reported results.</i>	Satisfactory
Cobalt, Total Analyte Code: 1050	ug/L	8011A	EPA 6020A	EPA 3005A	540 2/4/25	524 526	14.4 15%	447 - 605 <i>33 passed out of 33 reported results.</i>	Satisfactory
Cobalt, Total Analyte Code: 1050	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		544 2/3/25	524 526	14.4 15%	447 - 605 <i>33 passed out of 33 reported results.</i>	Satisfactory
Cobalt, Total Analyte Code: 1050	ug/L	8011A	EPA 6010C	EPA 3010A	540 2/3/25	524 526	14.4 15%	447 - 605 <i>33 passed out of 33 reported results.</i>	Satisfactory
Chromium, Total Analyte Code: 1040	ug/L	8011A	EPA 6020A	EPA 3005A	438 2/4/25	424 426	18.3 15%	362 - 490 <i>41 passed out of 42 reported results.</i>	Satisfactory
Chromium, Total Analyte Code: 1040	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		442 2/4/25	424 426	18.3 15%	362 - 490 <i>41 passed out of 42 reported results.</i>	Satisfactory

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Shipment: 480 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/Analysis Date	Mean/Assigned Value	Standard Deviation/Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Metals I and II									
Chromium, Total Analyte Code: 1040	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		442 2/3/25	424 426	18.3 15%	362 - 490 <i>41 passed out of 42 reported results.</i>	Satisfactory
Chromium, Total Analyte Code: 1040	ug/L	8011A	EPA 6010C	EPA 3010A	437 2/3/25	424 426	18.3 15%	362 - 490 <i>41 passed out of 42 reported results.</i>	Satisfactory
Copper, Total Analyte Code: 1055	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		534 2/4/25	519 525	25.8 15%	446 - 604 <i>44 passed out of 44 reported results.</i>	Satisfactory
Copper, Total Analyte Code: 1055	ug/L	8011A	EPA 6020A	EPA 3005A	546 2/4/25	519 525	25.8 15%	446 - 604 <i>44 passed out of 44 reported results.</i>	Satisfactory
Copper, Total Analyte Code: 1055	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		537 1/28/25	519 525	25.8 15%	446 - 604 <i>44 passed out of 44 reported results.</i>	Satisfactory
Copper, Total Analyte Code: 1055	ug/L	8011A	EPA 6010C	EPA 3010A	541 2/3/25	519 525	25.8 15%	446 - 604 <i>44 passed out of 44 reported results.</i>	Satisfactory
Iron, Total Analyte Code: 1070	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		393 1/28/25	374 376	21.7 15%	320 - 432 <i>29 passed out of 32 reported results.</i>	Satisfactory
Iron, Total Analyte Code: 1070	ug/L	8011A	EPA 6010C	EPA 3010A	403 2/3/25	374 376	21.7 15%	320 - 432 <i>29 passed out of 32 reported results.</i>	Satisfactory
Manganese, Total Analyte Code: 1090	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		244 1/28/25	248 250	10.2 15%	213 - 288 <i>38 passed out of 38 reported results.</i>	Satisfactory
Manganese, Total Analyte Code: 1090	ug/L	8011A	EPA 6010C	EPA 3010A	248 2/3/25	248 250	10.2 15%	213 - 288 <i>38 passed out of 38 reported results.</i>	Satisfactory
Nickel, Total Analyte Code: 1105	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		1450 2/4/25	1470 1470	57.9	1300 - 1650 <i>44 passed out of 44 reported results.</i>	Satisfactory

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Shipment: 480 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Metals I and II									
Nickel, Total Analyte Code: 1105	ug/L	8011A	EPA 6020A	EPA 3005A	1460 2/4/25	1470 1470	57.9	1300 - 1650	Satisfactory <i>44 passed out of 44 reported results.</i>
Nickel, Total Analyte Code: 1105	ug/L	8011A	EPA 6010C	EPA 3010A	1490 2/3/25	1470 1470	57.9	1300 - 1650	Satisfactory <i>44 passed out of 44 reported results.</i>
Nickel, Total Analyte Code: 1105	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		1530 1/28/25	1470 1470	57.9	1300 - 1650	Satisfactory <i>44 passed out of 44 reported results.</i>
Lead, Total Analyte Code: 1075	ug/L	8011A	EPA 6020A	EPA 3005A	258 2/4/25	250 250	9.37 15%	213 - 288	Satisfactory <i>50 passed out of 52 reported results.</i>
Lead, Total Analyte Code: 1075	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		252 2/4/25	250 250	9.37 15%	213 - 288	Satisfactory <i>50 passed out of 52 reported results.</i>
Lead, Total Analyte Code: 1075	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		267 1/28/25	250 250	9.37 15%	213 - 288	Satisfactory <i>50 passed out of 52 reported results.</i>
Lead, Total Analyte Code: 1075	ug/L	8011A	EPA 6010C	EPA 3010A	261 2/3/25	250 250	9.37 15%	213 - 288	Satisfactory <i>50 passed out of 52 reported results.</i>
Antimony, Total Analyte Code: 1005	ug/L	8011A	EPA 6020A	EPA 3005A	192 2/4/25	196 200	15.5	150 - 243	Satisfactory <i>42 passed out of 42 reported results.</i>
Antimony, Total Analyte Code: 1005	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		196 2/4/25	196 200	15.5	150 - 243	Satisfactory <i>42 passed out of 42 reported results.</i>
Selenium, Total Analyte Code: 1140	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		99.4 2/4/25	101 100	6.21 15%	85.0 - 115	Satisfactory <i>41 passed out of 44 reported results.</i>
Selenium, Total Analyte Code: 1140	ug/L	8011A	EPA 6020A	EPA 3005A	94.7 2/4/25	101 100	6.21 15%	85.0 - 115	Satisfactory <i>41 passed out of 44 reported results.</i>

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Shipment: 480 Non Potable Water Chemistry

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Sample: Non Potable Water Metals I and II									
Selenium, Total Analyte Code: 1140	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		100 2/3/25	101 100	6.21 15%	85.0 - 115 <i>41 passed out of 44 reported results.</i>	Satisfactory
Selenium, Total Analyte Code: 1140	ug/L	8011A	EPA 6010C	EPA 3010A	99.8 2/3/25	101 100	6.21 15%	85.0 - 115 <i>41 passed out of 44 reported results.</i>	Satisfactory
Strontium, Total Analyte Code: 1160	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		181 2/4/25	177 175	7.69 15%	149 - 201 <i>18 passed out of 18 reported results.</i>	Satisfactory
Strontium, Total Analyte Code: 1160	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		179 2/3/25	177 175	7.69 15%	149 - 201 <i>18 passed out of 18 reported results.</i>	Satisfactory
Thallium, Total Analyte Code: 1165	ug/L	8011A	EPA 6020A	EPA 3005A	345 2/4/25	345 348	20.9	282 - 407 <i>38 passed out of 39 reported results.</i>	Satisfactory
Thallium, Total Analyte Code: 1165	ug/L	8011A	EPA 200.8, Rev. 5.4 (1994)		344 2/4/25	345 348	20.9	282 - 407 <i>38 passed out of 39 reported results.</i>	Satisfactory
Vanadium, Total Analyte Code: 1185	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		753 2/3/25	741 751	33.9 15%	638 - 864 <i>30 passed out of 30 reported results.</i>	Satisfactory
Vanadium, Total Analyte Code: 1185	ug/L	8011A	EPA 6010C	EPA 3010A	756 2/3/25	741 751	33.9 15%	638 - 864 <i>30 passed out of 30 reported results.</i>	Satisfactory
Zinc, Total Analyte Code: 1190	ug/L	8011A	EPA 6010C	EPA 3010A	1640 2/3/25	1660 1680	74.9 15%	1430 - 1930 <i>42 passed out of 42 reported results.</i>	Satisfactory
Zinc, Total Analyte Code: 1190	ug/L	8011A	EPA 200.7, Rev. 4.4 (1994)		1670 1/28/25	1660 1680	74.9 15%	1430 - 1930 <i>42 passed out of 42 reported results.</i>	Satisfactory

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Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Metals III									
Mercury, Total Analyte Code: 1095	ug/L	8011B	EPA 7470A		15.1 1/28/25	14.8 15.0	1.17 30%	10.5 - 19.5 <i>27 passed out of 28 reported results.</i>	Satisfactory
Mercury, Total Analyte Code: 1095	ug/L	8011B	EPA 245.1, Rev. 3.0 (1994)		15.1 1/28/25	14.8 15.0	1.17 30%	10.5 - 19.5 <i>27 passed out of 28 reported results.</i>	Satisfactory
Molybdenum, Total Analyte Code: 1100	ug/L	8011B	EPA 6020A	EPA 3005A	448 2/4/25	449 451	19.3	391 - 507 <i>32 passed out of 33 reported results.</i>	Satisfactory
Molybdenum, Total Analyte Code: 1100	ug/L	8011B	EPA 200.8, Rev. 5.4 (1994)		442 2/4/25	449 451	19.3	391 - 507 <i>32 passed out of 33 reported results.</i>	Satisfactory
Molybdenum, Total Analyte Code: 1100	ug/L	8011B	EPA 200.7, Rev. 4.4 (1994)		442 2/3/25	449 451	19.3	391 - 507 <i>32 passed out of 33 reported results.</i>	Satisfactory
Molybdenum, Total Analyte Code: 1100	ug/L	8011B	EPA 6010C	EPA 3010A	448 2/3/25	449 451	19.3	391 - 507 <i>32 passed out of 33 reported results.</i>	Satisfactory
Sample: Non Potable Water Minerals									
Bromide Analyte Code: 1540	mg/L	8008	EPA 300.0, Rev. 2.1 (1993)		3.74 1/29/25	3.59 3.61	0.236	2.89 - 4.30 <i>17 passed out of 18 reported results.</i>	Satisfactory
Chloride Analyte Code: 1575	mg/L	8008	EPA 300.0, Rev. 2.1 (1993)		51.5 1/28/25	51.5 51.4	2.3	44.6 - 58.4 <i>47 passed out of 49 reported results.</i>	Satisfactory
Fluoride, Total Analyte Code: 1730	mg/L	8008	SM 4500-F- C-2011	SM 21-23 4500-F B (-97)	0.712 2/11/25	0.658 0.659	0.0598	0.479 - 0.837 <i>23 passed out of 24 reported results.</i>	Satisfactory

**WADSWORTH CENTER
NEW YORK STATE DEPARTMENT OF HEALTH**

New York ELAP Proficiency Test Report

Lab Id: 11071 HOFFMAN ANALYTIC SERVICES INC DBA ALLOWAY
 1776 MARION-WALDO RD
 EPA Lab Code: MARION, OH 43302
 OH01320 (740) 389-5991
 Director: DR. RADOSLAW K. BOLEK

Shipment Date : 14-Jan-2025
 Closing Date : 27-Feb-2025
 Score Date : 18-Mar-2025

NYSDOH Wadsworth Center is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 480 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/Analysis Date	Mean/Assigned Value	Standard Deviation/Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Minerals									
Sulfate (as SO4) Analyte Code: 2000	mg/L	8008	EPA 300.0, Rev. 2.1 (1993)		67.3 1/28/25	65.6 66.6	3.48	55.1 - 76.0	Satisfactory <i>31 passed out of 32 reported results.</i>
Sample: Non Potable Water Minerals II									
Calcium, Total Analyte Code: 1035	mg/L	8037	EPA 6010C	EPA 3010A	71.4 2/3/25	69.9 72.3	3.8 15%	61.5 - 83.1	Satisfactory <i>29 passed out of 30 reported results.</i>
Calcium, Total Analyte Code: 1035	mg/L	8037	EPA 200.7, Rev. 4.4 (1994)		71.4 2/3/25	69.9 72.3	3.8 15%	61.5 - 83.1	Satisfactory <i>29 passed out of 30 reported results.</i>
Calcium Hardness as CaCO3 Analyte Code: 1550	mg/L	8037	EPA 200.7, Rev. 4.4 (1994)		178 2/3/25	175 180	8.04 15%	153 - 207	Satisfactory <i>16 passed out of 18 reported results.</i>
Potassium, Total Analyte Code: 1125	mg/L	8037	EPA 6010C	EPA 3010A	11.0 2/3/25	10.7 10.6	0.478 20%	8.48 - 12.7	Satisfactory <i>27 passed out of 30 reported results.</i>
Potassium, Total Analyte Code: 1125	mg/L	8037	EPA 200.7, Rev. 4.4 (1994)		11.0 2/3/25	10.7 10.6	0.478 20%	8.48 - 12.7	Satisfactory <i>27 passed out of 30 reported results.</i>
Magnesium, Total Analyte Code: 1085	mg/L	8037	EPA 200.7, Rev. 4.4 (1994)		36.5 2/3/25	36.4 36.2	1.48 15%	30.8 - 41.6	Satisfactory <i>30 passed out of 31 reported results.</i>
Magnesium, Total Analyte Code: 1085	mg/L	8037	EPA 6010C	EPA 3010A	37.3 2/3/25	36.4 36.2	1.48 15%	30.8 - 41.6	Satisfactory <i>30 passed out of 31 reported results.</i>
Sodium, Total Analyte Code: 1155	mg/L	8037	EPA 6010C	EPA 3010A	23.1 2/3/25	22.4 23.0	0.748 20%	18.4 - 27.6	Satisfactory <i>30 passed out of 31 reported results.</i>
Sodium, Total Analyte Code: 1155	mg/L	8037	EPA 200.7, Rev. 4.4 (1994)		23.1 2/3/25	22.4 23.0	0.748 20%	18.4 - 27.6	Satisfactory <i>30 passed out of 31 reported results.</i>

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Shipment: 480 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Minerals II									
Hardness, Total (CaCO3)	mg/L	8037	SM		336	328	11.2	281 - 380	Satisfactory
Analyte Code: 1755			2340C-2011		2/2/25	330	15%	<i>30 passed out of 30 reported results.</i>	
Hardness, Total (CaCO3)	mg/L	8037	SM		329	328	11.2	281 - 380	Satisfactory
Analyte Code: 1755			2340B-2011		2/3/25	330	15%	<i>30 passed out of 30 reported results.</i>	
Sample: Non Potable Water Nitrite									
Nitrite as N	mg/L	8041	SM		2.98	2.86	0.133	2.46 - 3.26	Satisfactory
Analyte Code: 1840			4500-NO3 F-2016		1/28/25	2.86		<i>40 passed out of 41 reported results.</i>	
Sample: Non Potable Water Total Alkalinity									
Alkalinity	mg/L	8006	SM		256	261	7.89	230 - 311	Satisfactory
Analyte Code: 1505			2320B-2011		1/29/25	270	15%	<i>33 passed out of 33 reported results.</i>	
Sample: Non Potable Water Total Cyanide									
Cyanide, Total	mg/L	8012	EPA 335.4,		0.567	0.54	0.0282	0.367 - 0.761	Satisfactory
Analyte Code: 1645			Rev. 1.0 (1993)		1/28/25	0.564	35%	<i>24 passed out of 24 reported results.</i>	
Cyanide, Total	mg/L	8012	ASTM		0.522	0.54	0.0282	0.367 - 0.761	Satisfactory
Analyte Code: 1645			D7511-12		2/5/25	0.564	35%	<i>24 passed out of 24 reported results.</i>	
Sample: Non Potable Water Oil and Grease									
Oil and Grease Total Recoverable	mg/L	8010	EPA 1664A		176	180	12.5	142 - 218	Satisfactory
Analyte Code: 1803					2/5/25	192		<i>22 passed out of 24 reported results.</i>	

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EPA Lab Code: OH01320	MARION, OH 43302 (740) 389-5991	Closing Date : 27-Feb-2025
	Director: DR. RADOSLAW K. BOLEK	Score Date : 18-Mar-2025

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Shipment: 480 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Organic Nutrients									
Kjeldahl Nitrogen, Total Analyte Code: 1795	mg/L	8004	EPA 351.2, Rev. 2.0 (1993)		23.4 1/29/25	21.7 22.1	1.69	16.6 - 26.7	Satisfactory <i>35 passed out of 35 reported results.</i>
Phosphorus, Total Analyte Code: 1910	mg/L	8004	SM 4500-P E-2011	SM 4500-P B(5)-2011	2.11 1/29/25	2.01 2.02	0.128	1.63 - 2.40	Satisfactory <i>48 passed out of 52 reported results.</i>
Sample: Non Potable Water Phenols									
Phenols Analyte Code: 1905	mg/L	8009	EPA 420.4, Rev. 1.0 (1993)		1.95 1/30/25	2.02 3.12	0.332	1.03 - 3.43	Satisfactory <i>17 passed out of 17 reported results.</i>
Sample: Non Potable Water Residue									
Solids, Total Suspended Analyte Code: 1960	mg/L	8002	SM 2540 D-2015		90.0 1/28/25	86.4 89.5	4.26	73.6 - 99.2	Satisfactory <i>83 passed out of 86 reported results.</i>
Solids, Total Analyte Code: 1950	mg/L	8002	SM 2540 B-2015		248 1/28/25	253 253	15	208 - 298	Satisfactory <i>28 passed out of 29 reported results.</i>
Sample: Non Potable Water Specific Conductance									
Specific Conductance Analyte Code: 1610	umhos/cm	8030	SM 2510B-2011		604 1/29/25	576 577	16.6 10%	519 - 635	Satisfactory <i>35 passed out of 36 reported results.</i>
Sample: Non Potable Water Sulfide									
Sulfide Analyte Code: 2005	mg/L	8045	SM 4500-S2- D-2011		9.27 2/3/25	9.13 9.59	1.44	4.82 - 13.4	Satisfactory <i>14 passed out of 15 reported results.</i>

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Shipment: 480 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Total Dissolved Solids									
Solids, Total Dissolved	mg/L	8040	SM 2540		133	142	15	97.0 - 187	Satisfactory
Analyte Code: 1955			C-2015		1/28/25	142		<i>30 passed out of 30 reported results.</i>	