

ANALYTICAL REPORT

Job Number: 420-205707-1

SDG Number: Warwick VCSD- Kings School

Job Description: Orange-Ulster BOCES

For:
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Attention: Jack DeGraw



Designee for
Meredith W Ruthven
Customer Service Manager
mruthven@envirotestlaboratories.com
09/13/2021

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, CTDOH PH-0554

METHOD SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-205707-1
SDG Number: Warwick VCSD- Kings School

Description	Lab Location	Method	Preparation Method
Matrix: Water			
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

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-205707-1
SDG Number: Warwick VCSD- Kings School

Method	Analyst	Analyst ID
EPA 200.8 Rev.5.4	Luis, Carlos	CL

SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-205707-1
SDG Number: Warwick VCSD- Kings School

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-205707-1	Kitchen HWS	Drinking Water	09/01/2021 0559	09/03/2021 0915
420-205707-2	Room 207 CA	Drinking Water	09/01/2021 0601	09/03/2021 0915
420-205707-3	Room 206 CS	Drinking Water	09/01/2021 0602	09/03/2021 0915
420-205707-4	Room 205 CS	Drinking Water	09/01/2021 0603	09/03/2021 0915
420-205707-5	Room 202 CS	Drinking Water	09/01/2021 0604	09/03/2021 0915
420-205707-6	Room 201 CS	Drinking Water	09/01/2021 0605	09/03/2021 0915
420-205707-7	Family Room BS	Drinking Water	09/01/2021 0607	09/03/2021 0915
420-205707-8	Secondary Office BS	Drinking Water	09/01/2021 0608	09/03/2021 0915
420-205707-9	Main Office KS	Drinking Water	09/01/2021 0609	09/03/2021 0915
420-205707-10	Room 110 CS	Drinking Water	09/01/2021 0612	09/03/2021 0915
420-205707-11	Room 109 CS	Drinking Water	09/01/2021 0613	09/03/2021 0915
420-205707-12	Room 108 CS	Drinking Water	09/01/2021 0615	09/03/2021 0915
420-205707-13	Room 107 CS	Drinking Water	09/01/2021 0616	09/03/2021 0915
420-205707-14	Room 105 CS	Drinking Water	09/01/2021 0617	09/03/2021 0915
420-205707-15	Room 104 CS	Drinking Water	09/01/2021 0618	09/03/2021 0915

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Kitchen HWS
Lab Sample ID: 420-205707-1

Date Sampled: 09/01/2021 0559
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/09/2021 1549	
Prep Method: 200.7/200.8			Date Prepared:	09/08/2021 1543	
Pb	1.00 U	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Room 207 CA
Lab Sample ID: 420-205707-2

Date Sampled: 09/01/2021 0601
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/09/2021 1602	
Prep Method: 200.7/200.8			Date Prepared:	09/08/2021 1543	
Pb	13.8	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Room 206 CS
Lab Sample ID: 420-205707-3

Date Sampled: 09/01/2021 0602
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1838	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	3.83	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Room 205 CS
Lab Sample ID: 420-205707-4

Date Sampled: 09/01/2021 0603
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1840	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	17.1 g	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Room 202 CS
Lab Sample ID: 420-205707-5

Date Sampled: 09/01/2021 0604
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1842	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	40.0 g	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Room 201 CS
Lab Sample ID: 420-205707-6

Date Sampled: 09/01/2021 0605
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1844	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	20.3 g	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Family Room BS
Lab Sample ID: 420-205707-7

Date Sampled: 09/01/2021 0607
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1847	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	10.5	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Secondary Office BS
Lab Sample ID: 420-205707-8

Date Sampled: 09/01/2021 0608
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1851	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	15.2 g	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Main Office KS
Lab Sample ID: 420-205707-9

Date Sampled: 09/01/2021 0609
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1857	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	3.13	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Room 110 CS
Lab Sample ID: 420-205707-10

Date Sampled: 09/01/2021 0612
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1900	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	13.8	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Room 109 CS
Lab Sample ID: 420-205707-11

Date Sampled: 09/01/2021 0613
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1902	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	3.08	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Room 108 CS
Lab Sample ID: 420-205707-12

Date Sampled: 09/01/2021 0615
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1904	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	11.7	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Room 107 CS
Lab Sample ID: 420-205707-13

Date Sampled: 09/01/2021 0616
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1906	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	6.06	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Room 105 CS
Lab Sample ID: 420-205707-14

Date Sampled: 09/01/2021 0617
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1908	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	8.80	ug/L	1.00	1.00	1.0

Jack DeGraw
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Job Number: 420-205707-1
Sdg Number: Warwick VCSD- Kings School

Client Sample ID: Room 104 CS
Lab Sample ID: 420-205707-15

Date Sampled: 09/01/2021 0618
Date Received: 09/03/2021 0915
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	09/07/2021 1911	
Prep Method: 200.7/200.8			Date Prepared:	09/05/2021 1300	
Pb	6.58	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Client: Orange-Ulster BOCES

Job Number:
Sdg Number: Warwick VCSD- Kings School

Lab Section	Qualifier	Description
Metals	g	Result fails applicable NYS drinking water standards
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.

Certification Information

Client: Orange-Ulster BOCES

Job Number:

Sdg Number: Warwick VCSD- Kings School

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: Orange-Ulster BOCES

Job Number:

Sdg Number: Warwick VCSD- Kings School

<u>Abbreviation</u>	<u>These commonly used abbreviations may or may not be present in this report.</u>
%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 Record

Client Information	Sampler: J DeGraw	Lab PM:	Deliverable Type: Level I, Level II, NYS ASP Cat B EDD (Specify):	JOB #: 205707
Client Contact: Kevin Flynn	Phone: 845-781-4887	E-Mail: joseph.russo@ouboces.org Halina.redner@ouboces.org Maureen.doherty@ouboces.org		

Company: Orange-Ulster BOCES	Due Date Requested: Standard Turn-Around	Analysis Requested			Page: Page 1 of 1		
Address: 53 Gibson Road	TAT Requested (days):	Field Filtered Sample (Yes or No)	Perform MSD (Yes or No)	Chlorine Present (Yes or No)	Lead	Total Number of Containers	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - H2SO4 F - MeOH G - NH4CL H - Ascorbic Acid I - Ice J - DI Water K - Sodium Thiosulfate L - EDA M - Sodium Sulfitte N - None O - MCAA P - Other (specify)
City: Goshen	PO #:						
State, Zip: NY, 10924	PWS #:						
Phone: 845-781-4887	Project #:						
Email: joseph.russo@ouboces.org Halina.redner@ouboces.org Maureen.doherty@ouboces.org	Additional Contacts:						
Project Name: Warwick VCSD Kings School							Other: D-Nitric Acid Upon Receipt Preservation verified: Y / N

Sample Date	Sample Time	Sample Identification	Client ID (Lab ID)	Sample Type (C=Comp, G=grab)	Matrix (DW=drinking water, W=water, S=solid, O=waste/oli)	Field Filtered Sample (Yes or No)	Perform MSD (Yes or No)	Chlorine Present (Yes or No)	Lead	Total Number of Containers	Special Instructions/Note:
				Preservation Code:					D		
9/1/21	5:59	Kitchen HWS		G	DW				1	1	
9/1/21	6:01	Room 207 CA		G	DW				1	1	
9/1/21	6:02	Room 206 CS		G	DW				1	1	
9/1/21	6:03	Room 205 CS		G	DW				1	1	
9/1/21	6:04	Room 202 CS		G	DW				1	1	
9/1/21	6:05	Room 201 CS		G	DW				1	1	
9/1/21	6:07	Family Room BS		G	DW				1	1	
9/1/21	6:08	Secondary Office BS		G	DW				1	1	
9/1/21	6:09	Main Office KS		G	DW				1	1	
9/1/21	6:12	Room 110 CS		G	DW				1	1	
9/1/21	6:13	Room 109 CS		G	DW				1	1	
9/1/21	6:15	Room 108 CS		G	DW				1	1	
9/1/21	6:16	Room 107 CS		G	DW				1	1	
9/1/21	6:17	Room 105 CS		G	DW				1	1	
9/1/21	6:18	Room 104 CS		G	DW				1	1	

420-205707-B-15
 Room 104 CS
 Date Sampled: 9/1/2021 420-1775257

Container Code: P=Plastic, A=Amber, V=Vial, G=Glass, B=Bacteria, C=Cube, O=Other, T=Terracore, D=BOD Bottle		P		Container Type	
Preservation Added Upon Receipt:		Manufacturer/Lot #		Date:	
Relinquished by: <i>[Signature]</i>	Date/Time: 9/3/21 9:15	Company: OUBOCES	Received by: <i>[Signature]</i>	Date/Time: 9/3/21 09:15	Company: ETL
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

ICE Present: *NO* Custody Seal No.: Custody Seals Intact: Δ Cooler Temperature(s) °C/IR GUN #: *269c*

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-205707-1
SDG Number: Warwick VCSD- Kings School

Login Number: 205707

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.	False	
Cooler Temperature is recorded.	True	21.9C
Cooler Temp. is within method specified range.(0-4 C PW, 0-6 C NPW, or BAC <10 C	False	
If false, was sample received on ice within 6 hours of collection.	False	
Based on above criteria cooler temperature is acceptable.	True	Method does not require cooling
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	