

ANALYTICAL REPORT

Job Number: 420-209569-1

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

10/26/2021

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

Envirotest Laboratories

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

METHOD SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-209569-1
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: 420-209569-1
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: 420-209569-1
SDG Number: Warwick VCSD - Kings School

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-209569-1	Secondary Office BS	Drinking Water	10/21/2021 0701	10/22/2021 1410
420-209569-2	Room 201 CS	Drinking Water	10/21/2021 0703	10/22/2021 1410
420-209569-3	Room 202 CS	Drinking Water	10/21/2021 0705	10/22/2021 1410
420-209569-4	Room 205 CS	Drinking Water	10/21/2021 0706	10/22/2021 1410
420-209569-5	Bottom Floor Ladies BS 1	Drinking Water	10/21/2021 0707	10/22/2021 1410
420-209569-6	Bubbler Next to Phone Booth	Drinking Water	10/21/2021 0708	10/22/2021 1410
420-209569-7	Room 302 BS	Drinking Water	10/21/2021 0709	10/22/2021 1410
420-209569-8	Room 303 BS	Drinking Water	10/21/2021 0710	10/22/2021 1410

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Job Number: 420-209569-1
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Client Sample ID: Secondary Office BS
Lab Sample ID: 420-209569-1

Date Sampled: 10/21/2021 0701
Date Received: 10/22/2021 1410
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/25/2021 1342	
Prep Method: 200.7/200.8			Date Prepared:	10/24/2021 1200	
Pb	4.54	ug/L	1.00	1.00	1.0

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Job Number: 420-209569-1
Sdg Number: Warwick VCSD - Kings School

Client Sample ID: Room 201 CS
Lab Sample ID: 420-209569-2

Date Sampled: 10/21/2021 0703
Date Received: 10/22/2021 1410
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/25/2021 1344	
Prep Method: 200.7/200.8			Date Prepared:	10/24/2021 1200	
Pb	10.6	ug/L	1.00	1.00	1.0

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Job Number: 420-209569-1
Sdg Number: Warwick VCSD - Kings School

Client Sample ID: Room 202 CS
Lab Sample ID: 420-209569-3

Date Sampled: 10/21/2021 0705
Date Received: 10/22/2021 1410
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/25/2021 1346	
Prep Method: 200.7/200.8			Date Prepared:	10/24/2021 1200	
Pb	6.16	ug/L	1.00	1.00	1.0

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Job Number: 420-209569-1
Sdg Number: Warwick VCSD - Kings School

Client Sample ID: Room 205 CS
Lab Sample ID: 420-209569-4

Date Sampled: 10/21/2021 0706
Date Received: 10/22/2021 1410
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/25/2021 1348	
Prep Method: 200.7/200.8			Date Prepared:	10/24/2021 1200	
Pb	4.73	ug/L	1.00	1.00	1.0

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Job Number: 420-209569-1
Sdg Number: Warwick VCSD - Kings School

Client Sample ID: Bottom Floor Ladies BS 1
Lab Sample ID: 420-209569-5

Date Sampled: 10/21/2021 0707
Date Received: 10/22/2021 1410
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/25/2021 1351	
Prep Method: 200.7/200.8			Date Prepared:	10/24/2021 1200	
Pb	5.98	ug/L	1.00	1.00	1.0

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Job Number: 420-209569-1
Sdg Number: Warwick VCSD - Kings School

Client Sample ID: Bubbler Next to Phone Booth
Lab Sample ID: 420-209569-6

Date Sampled: 10/21/2021 0708
Date Received: 10/22/2021 1410
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/25/2021 1353	
Prep Method: 200.7/200.8			Date Prepared:	10/24/2021 1200	
Pb	10.2	ug/L	1.00	1.00	1.0

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Job Number: 420-209569-1
Sdg Number: Warwick VCSD - Kings School

Client Sample ID: Room 302 BS
Lab Sample ID: 420-209569-7

Date Sampled: 10/21/2021 0709
Date Received: 10/22/2021 1410
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/25/2021 1355	
Prep Method: 200.7/200.8			Date Prepared:	10/24/2021 1200	
Pb	7.96	ug/L	1.00	1.00	1.0

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Job Number: 420-209569-1
Sdg Number: Warwick VCSD - Kings School

Client Sample ID: Room 303 BS
Lab Sample ID: 420-209569-8

Date Sampled: 10/21/2021 0710
Date Received: 10/22/2021 1410
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/25/2021 1357	
Prep Method: 200.7/200.8			Date Prepared:	10/24/2021 1200	
Pb	8.03	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Certification Information

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), Setttable 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

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.

EnviroTest Laboratories, LLC

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Chain of Custody Record



Client Information		Sampler: J DeGraw	Lab PM:	Deliverable Type: Level I, Level II, NYS ASP Cat B EDD (Specify):	JOB #: 209569
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		Analysis Requested			Page: Page 1 of 1																												
Address: 53 Gibson Road		Due Date Requested: Standard Turn-Around	<table border="1"> <tr> <td colspan="2">Preservation Codes:</td> </tr> <tr> <td>A - HCL</td> <td>L - EDA</td> </tr> <tr> <td>B - NaOH</td> <td>- Sodium Sulfite</td> </tr> <tr> <td>C - Zn Acetate</td> <td>N - None</td> </tr> <tr> <td>D - Nitric Acid</td> <td>O - MCAA</td> </tr> <tr> <td>E - H2SO4</td> <td>P - Other (specify)</td> </tr> <tr> <td>F - MeOH</td> <td></td> </tr> <tr> <td>G - NH4CL</td> <td></td> </tr> <tr> <td>H - Ascorbic Acid</td> <td></td> </tr> <tr> <td>I - Ice</td> <td></td> </tr> <tr> <td>J - DI Water</td> <td></td> </tr> <tr> <td>K - Sodium Thiosulfate</td> <td></td> </tr> <tr> <td colspan="2">Other: D-Nitric Acid</td> </tr> <tr> <td colspan="2">Upon Receipt Preservation verified: Y / N</td> </tr> </table>			Preservation Codes:		A - HCL	L - EDA	B - NaOH	- Sodium Sulfite	C - Zn Acetate	N - None	D - Nitric Acid	O - MCAA	E - H2SO4	P - Other (specify)	F - MeOH		G - NH4CL		H - Ascorbic Acid		I - Ice		J - DI Water		K - Sodium Thiosulfate		Other: D-Nitric Acid		Upon Receipt Preservation verified: Y / N	
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City: Goshen		TAT Requested (days):																															
State, Zip: NY, 10924		PO #:																															
Phone: 845-781-4887		PWS #:																															
Email: joseph.russo@ouboces.org Halina.redner@ouboces.org Maureen.doherty@ouboces.org		Project #:																															
Project Name: Warwick VCSD Kings School		Additional Contacts:																															

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/oil)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Chlorine Present (Yes or No)	Lead	Total Number of Containers	Special Instructions/Note:
10/21/21	7:01	Secondary Office BS		G	DW				1	1	
10/21/21	7:03	Room 201'CS		G	DW				1	1	
10/21/21	7:05	Room 202 CS		G	DW				1	1	
10/21/21	7:06	Room 205 CS		G	DW				1	1	
10/21/21	7:07	Bottom Floor Ladies BS 1		G	DW				1	1	
10/21/21	7:08	Bubbler Next to Phone Booth		G	DW				1	1	
10/21/21	7:09	Room 302 BS		G	DW				1	1	
10/21/21	7:10	Room 303 BS		G	DW				1	1	
				G	DW				1	1	
				G	DW				1	1	
				G	DW				1	1	
				G	DW				1	1	
				G	DW				1	1	
				G	DW				1	1	
				G	DW				1	1	

420-209569-B-8
 Room 303 BS
 Date Sampled: 10/21/2021 420-1805325

Container Code: P=Plastic, A=Amber, V=Vial, G=Glass, B=Bacteria, C=Cube, O=Other, T=Terracore, D=BOD Bottle		Manufacturer/I of #:		Date:	Time:	Sample # (s):	Container Type
Preservation Added Upon Receipt:	Date/Time:		Company:	Received by:	Date/Time:	Company:	
Relinquished by:	Date/Time:		Company:	Received by:	Date/Time:	Company:	
Relinquished by:	Date/Time:		Company:	Received by:	Date/Time:	Company:	

ICE Present: Custody Seal No.: _____ Custody Seals Intact: Cooler Temperature(s) °C/IR GUN #: **21.7 °C**

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-209569-1
SDG Number: Warwick VCSD - Kings School

Login Number: 209569

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	21.7
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	