

## ANALYTICAL REPORT

Job Number: 420-203312-1

SDG Number: Warwick VCSD - Warwick High School

Job Description: Orange-Ulster BOCES

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

Attention: Jack DeGraw



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Designee for  
Meredith W Ruthven  
Customer Service Manager  
mruthven@envirotestlaboratories.com  
08/31/2021

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

## METHOD SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-203312-1  
SDG Number: Warwick VCSD - Warwick High School

<b>Description</b>	<b>Lab Location</b>	<b>Method</b>	<b>Preparation Method</b>
<b>Matrix: Water</b>			
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: 420-203312-1  
SDG Number: Warwick VCSD - Warwick High School

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
EPA 200.8 Rev.5.4	Luis, Carlos	CL

## SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-203312-1  
SDG Number: Warwick VCSD - Warwick High School

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
420-203312-1	Girls BS 1 by Guidance Hallway	Drinking Water	08/03/2021 0706	08/03/2021 1217
420-203312-2	Girls BS 2 by Guidance Hallway	Drinking Water	08/03/2021 0706	08/03/2021 1217
420-203312-3	Girls BS 3 by Guidance Hallway	Drinking Water	08/03/2021 0706	08/03/2021 1217
420-203312-4	Boys BS 2 by Guidance Hallway	Drinking Water	08/03/2021 0708	08/03/2021 1217
420-203312-5	Girls BS 2 by Room 234	Drinking Water	08/03/2021 0710	08/03/2021 1217
420-203312-6	Boys BS 1 by Room 234	Drinking Water	08/03/2021 0712	08/03/2021 1217
420-203312-7	Girls BS 2 by Room 118	Drinking Water	08/03/2021 0717	08/03/2021 1217
420-203312-8	Kitchen Serving Area HWS	Drinking Water	08/03/2021 0721	08/03/2021 1217
420-203312-9	Kitchen Serving Area Prep Sink	Drinking Water	08/03/2021 0721	08/03/2021 1217
420-203312-10	Kitchen Single Sink	Drinking Water	08/03/2021 0723	08/03/2021 1217
420-203312-11	Dishwashing room sink 2	Drinking Water	08/03/2021 0724	08/03/2021 1217
420-203312-12	Boys Swim Coach Locker Room BS	Drinking Water	08/03/2021 0726	08/03/2021 1217
420-203312-13	Girls BS by Room 65	Drinking Water	08/03/2021 0728	08/03/2021 1217
420-203312-14	Girls BS by Room 138	Drinking Water	08/03/2021 0733	08/03/2021 1217

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**Client Sample ID:** Girls BS 1 by Guidance Hallway  
**Lab Sample ID:** 420-203312-1

Date Sampled: 08/03/2021 0706  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/24/2021 0213		
Prep Method: 200.7/200.8			Date Prepared: 08/22/2021 1200		
Pb	2.19	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Girls BS 2 by Guidance Hallway  
**Lab Sample ID:** 420-203312-2

Date Sampled: 08/03/2021 0706  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/30/2021	1618	
Prep Method: 200.7/200.8			Date Prepared: 08/24/2021	1604	
Pb	1.00	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Girls BS 3 by Guidance Hallway  
**Lab Sample ID:** 420-203312-3

Date Sampled: 08/03/2021 0706  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/30/2021 1621	
Prep Method: 200.7/200.8			Date Prepared:	08/24/2021 1604	
Pb	2.61	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Boys BS 2 by Guidance Hallway  
**Lab Sample ID:** 420-203312-4

Date Sampled: 08/03/2021 0708  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/30/2021 1624	
Prep Method: 200.7/200.8			Date Prepared:	08/24/2021 1604	
Pb	1.95	ug/L	1.00	1.00	1.0



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Job Number: 420-203312-1  
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**Client Sample ID:** Girls BS 2 by Room 234  
**Lab Sample ID:** 420-203312-5

Date Sampled: 08/03/2021 0710  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/30/2021 1628		
Prep Method: 200.7/200.8			Date Prepared: 08/24/2021 1604		
Pb	1.52	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Boys BS 1 by Room 234  
**Lab Sample ID:** 420-203312-6

Date Sampled: 08/03/2021 0712  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/30/2021	1631	
Prep Method: 200.7/200.8			Date Prepared: 08/24/2021	1604	
Pb	6.79	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Girls BS 2 by Room 118  
**Lab Sample ID:** 420-203312-7

Date Sampled: 08/03/2021 0717  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/24/2021 0215		
Prep Method: 200.7/200.8			Date Prepared: 08/22/2021 1200		
Pb	1.00 U	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Kitchen Serving Area HWS  
**Lab Sample ID:** 420-203312-8

Date Sampled: 08/03/2021 0721  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/24/2021	0219	
Prep Method: 200.7/200.8			Date Prepared: 08/22/2021	1200	
Pb	1.66	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Kitchen Serving Area Prep Sink  
**Lab Sample ID:** 420-203312-9

Date Sampled: 08/03/2021 0721  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/24/2021 0221		
Prep Method: 200.7/200.8			Date Prepared: 08/22/2021 1200		
Pb	1.88	ug/L	1.00	1.00	1.0

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Job Number: 420-203312-1  
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**Client Sample ID:** Kitchen Single Sink  
**Lab Sample ID:** 420-203312-10

Date Sampled: 08/03/2021 0723  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/24/2021 0223		
Prep Method: 200.7/200.8			Date Prepared: 08/22/2021 1200		
Pb	1.75	ug/L	1.00	1.00	1.0

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Job Number: 420-203312-1  
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**Client Sample ID:** Dishwashing room sink 2  
**Lab Sample ID:** 420-203312-11

Date Sampled: 08/03/2021 0724  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/30/2021	1634	
Prep Method: 200.7/200.8			Date Prepared: 08/24/2021	1604	
Pb	2.47	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Boys Swim Coach Locker Room BS  
**Lab Sample ID:** 420-203312-12

Date Sampled: 08/03/2021 0726  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/24/2021 0230		
Prep Method: 200.7/200.8			Date Prepared: 08/22/2021 1200		
Pb	4.84	ug/L	1.00	1.00	1.0



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Job Number: 420-203312-1  
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**Client Sample ID:** Girls BS by Room 65  
**Lab Sample ID:** 420-203312-13

Date Sampled: 08/03/2021 0728  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/24/2021 0232		
Prep Method: 200.7/200.8			Date Prepared: 08/22/2021 1200		
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-203312-1  
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**Client Sample ID:** Girls BS by Room 138  
**Lab Sample ID:** 420-203312-14

Date Sampled: 08/03/2021 0733  
Date Received: 08/03/2021 1217  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/24/2021 0234		
Prep Method: 200.7/200.8			Date Prepared: 08/22/2021 1200		
Pb	1.00 U	ug/L	1.00	1.00	1.0

## DATA REPORTING QUALIFIERS

Client: Orange-Ulster BOCES

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<b>Lab Section</b>	<b>Qualifier</b>	<b>Description</b>
Metals	U	The analyte was analyzed for but not detected at or above the lowest stated limit.

## Certification Information

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### **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

Client: Orange-Ulster BOCES

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<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.



## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-203312-1  
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**Login Number: 203312**

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	26.7 C
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	