

## **ANALYTICAL REPORT**

Job Number: 420-115603-1  
SDG Number: Chester Maple Ave (MA)  
Job Description: Orange-Ulster BOCES

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

Attention: Jack DeGraw

*Meredith Ruthven*

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Meredith W Ruthven  
Customer Service Manager  
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01/24/2017

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

**Job Narrative**  
**420-J115603-1**

**Comments**

Results compared to NYSDOH Drinking Water Standards other federal regulations may apply.

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**Metals**

No analytical or quality issues were noted.

## METHOD SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-115603-1  
SDG Number: Chester Maple Ave (MA)

<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

### Lab References:

EnvTest = EnviroTest

### Method References:

EPA = US Environmental Protection Agency

**METHOD / ANALYST SUMMARY**

Client: Orange-Ulster BOCES

Job Number: 420-115603-1  
SDG Number: Chester Maple Ave (MA)

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
EPA 200.8 Rev.5.4	Sirico, Derek	DS

## SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-115603-1  
SDG Number: Chester Maple Ave (MA)

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
420-115603-1	Chester MA Girls Locker Room Sink	Drinking Water	01/13/2017 0651	01/13/2017 0854
420-115603-2	Chester MA Girls Coaches Office Sink	Drinking Water	01/13/2017 0651	01/13/2017 0854
420-115603-3	Chester MA Boys Locker Room Sink	Drinking Water	01/13/2017 0654	01/13/2017 0854
420-115603-4	Chester MA Boys Coaches Office Sink	Drinking Water	01/13/2017 0654	01/13/2017 0854
420-115603-5	Chester MA Boys Coaches Office Ice Machine Tap	Drinking Water	01/13/2017 0654	01/13/2017 0854
420-115603-6	Chester MA Outside Hose Bib @ Gym	Drinking Water	01/13/2017 0659	01/13/2017 0854
420-115603-7	Chester MA Boiler Room City Supply Connection	Drinking Water	01/13/2017 0702	01/13/2017 0854

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Job Number: 420-115603-1  
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**Client Sample ID:** Chester MA Girls Locker Room Sink  
**Lab Sample ID:** 420-115603-1

Date Sampled: 01/13/2017 0651  
Date Received: 01/13/2017 0854  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	01/16/2017 1309	
Prep Method: 200			Date Prepared:	01/16/2017 1152	
Pb	2.31	ug/L	1.00	1.00	1.0

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Job Number: 420-115603-1  
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**Client Sample ID:** Chester MA Girls Coaches Office Sink  
**Lab Sample ID:** 420-115603-2

Date Sampled: 01/13/2017 0651  
Date Received: 01/13/2017 0854  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 01/16/2017 1310		
Prep Method: 200			Date Prepared: 01/16/2017 1152		
Pb	8.55	ug/L	1.00	1.00	1.0

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Job Number: 420-115603-1  
Sdg Number: Chester Maple Ave (MA)

**Client Sample ID:** Chester MA Boys Locker Room Sink  
**Lab Sample ID:** 420-115603-3

Date Sampled: 01/13/2017 0654  
Date Received: 01/13/2017 0854  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	01/16/2017 1311	
Prep Method: 200			Date Prepared:	01/16/2017 1152	
Pb	5.10	ug/L	1.00	1.00	1.0



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Job Number: 420-115603-1  
Sdg Number: Chester Maple Ave (MA)

**Client Sample ID:** Chester MA Boys Coaches Office Sink  
**Lab Sample ID:** 420-115603-4

Date Sampled: 01/13/2017 0654  
Date Received: 01/13/2017 0854  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 01/16/2017 1314		
Prep Method: 200			Date Prepared: 01/16/2017 1152		
Pb	4.53	ug/L	1.00	1.00	1.0

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Job Number: 420-115603-1  
Sdg Number: Chester Maple Ave (MA)

**Client Sample ID:** Chester MA Boys Coaches Office Ice Machine  
**Lab Sample ID:** 420-115603-5

Date Sampled: 01/13/2017 0654  
Date Received: 01/13/2017 0854  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	01/17/2017 1237	
Prep Method: 200			Date Prepared:	01/16/2017 1430	
Pb	70.0 g	ug/L	1.00	1.00	1.0

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Job Number: 420-115603-1  
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**Client Sample ID:** Chester MA Outside Hose Bib @ Gym  
**Lab Sample ID:** 420-115603-6

Date Sampled: 01/13/2017 0659  
Date Received: 01/13/2017 0854  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	01/16/2017 1316	
Prep Method: 200			Date Prepared:	01/16/2017 1152	
Pb	12.1	ug/L	1.00	1.00	1.0

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Job Number: 420-115603-1  
Sdg Number: Chester Maple Ave (MA)

**Client Sample ID:** Chester MA Boiler Room City Supply  
**Lab Sample ID:** 420-115603-7

Date Sampled: 01/13/2017 0702  
Date Received: 01/13/2017 0854  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 01/16/2017 1317		
Prep Method: 200			Date Prepared: 01/16/2017 1152		
Pb	55.3 g	ug/L	1.00	1.00	1.0

## DATA REPORTING QUALIFIERS

Client: Orange-Ulster BOCES

Job Number:  
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<b>Lab Section</b>	<b>Qualifier</b>	<b>Description</b>
Metals	g	Result fails applicable NYS drinking water standards

## Certification Information

Client: Orange-Ulster BOCES

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Sdg Number: Chester Maple Ave (MA)

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

Sulfur, Tungsten, Silicon, 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, Phenolphthalein Alkalinity, Solids (Fixed), Solids (Percent), Solids (Percent Moisture), Solids (Percent Volatile), Solids (Volatile Suspended), Temperature, TKN (Soluble), Total Inorganic Carbon, Volatile Acids as Acetic Acid, 2-Aminopyridine, 3-Picoline, 1-Methyl-2-pyrrilidinone, Aziridine, Dimethyl sulfoxide, 1-Chlorohexane, Iron Bacteria, Salmonella, & Sulfur Reducing Bacteria.

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

Cobalt (200.7, 200.8), Tin (200.7), Strontium (200.7), Gold (200.7), Platinum (200.7), Palladium (200.7), Titanium (200.7), Phosphorus (365.3), Nitrate-Nitrite (10-107-4-1C, 353.2), m-Xylene & p-Xylene (502.2, 524), Naphthalene (502.2), o-Xylene (502.2, 524), & Fecal Coliform (9222D).

**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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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.





## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-115603-1  
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**Login Number: 115603**

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	17.1 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 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	