

## **ANALYTICAL REPORT**

Job Number: 420-141918-1  
SDG Number: MVCSD- High School  
Job Description: Orange-Ulster BOCES

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

Attention: Jack DeGraw

*Meredith Ruthven*

---

Meredith W Ruthven  
Customer Service Manager  
mruthven@envirotestlaboratories.com  
09/13/2018

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 Inc. 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.

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

## METHOD SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-141918-1

<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: 420-141918-1

<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: 420-141918-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
420-141918-1	Water Cooler Outside Pool Lockers	Drinking Water	08/31/2018 0539	08/31/2018 0849
420-141918-2	Bottle Fill Outside Pool Lockers	Drinking Water	08/31/2018 0539	08/31/2018 0849

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

Job Number: 420-141918-1

**Client Sample ID:** Water Cooler Outside Pool Lockers  
**Lab Sample ID:** 420-141918-1

Date Sampled: 08/31/2018 0539  
Date Received: 08/31/2018 0849  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 09/05/2018 1741		
Prep Method: 200.7/200.8			Date Prepared: 09/05/2018 1345		
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: 420-141918-1

**Client Sample ID:** Bottle Fill Outside Pool Lockers  
**Lab Sample ID:** 420-141918-2

Date Sampled: 08/31/2018 0539  
Date Received: 08/31/2018 0849  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 09/05/2018 1742		
Prep Method: 200.7/200.8			Date Prepared: 09/05/2018 1345		
Pb	1.00 U	ug/L	1.00	1.00	1.0

## DATA REPORTING QUALIFIERS

Client: Orange-Ulster BOCES

Job Number:

<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

Client: Orange-Ulster BOCES

Job Number:

---

**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), TKN (351.2), Phosphorus (365.3), Nitrate-Nitrite (10-107-4-1C, 353.2), 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).

**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), Propylene Glycol (8015D).



## Definitions and Glossary

Client: Orange-Ulster BOCES

Job Number:

---

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.



**CHAIN OF CUSTODY**

141918

REPORT# (Lab Use Only)

Lab Name  
Address & Phone

EnviroTest Laboratories  
315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

PROJECT REFERENCE MVCSD - High School	PROJECT NO.	PROJECT LOCATION	MATRIX TYPE	REQUIRED ANALYSES								PAGE 1 of 2		
ENVIROTEST PROJECT MANAGER Debra Bayer	P.O. NUMBER	TOWN	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) D (Drinking Water) or W (Waste Water) Indicate SOLID OR SEMISOLID OTHER Specify	Total # of Containers	40ml Vials HCl	Liter Amber HCl	250ml Plastic Nitric Acid	250ml Plastic Sulfuric Acid	Liter Plastic	250ml Plastic	Terra Core	Other	Other	
CLIENT (SITE) PM Jack DeGraw	CLIENT PHONE 845-781-4887	CLIENT FAX												
CLIENT NAME Orange-Ulster BOCES	Please Email Results to: christy.fischer@ouboces.org													
CLIENT ADDRESS 53 Gibson Road, Goshen, NY 10924														
COMPANY CONTRACTING THIS WORK (if applicable):												TURNAROUND TIME		
												NORMAL <input type="checkbox"/> Yes <input type="checkbox"/>		
												QUICK _____		
												VERBAL _____		
												#OF COOLERS		

SAMPLE		SAMPLE IDENTIFICATION	G	D														REMARKS
DATE	TIME																	
8/31/18	539	Water Cooler Outside Pool Lockers	G	D				1										Lead (DW 200.8)
8/31/18	539	Bottle Fill Outside Pool Lockers	G	D				1										Lead (DW 200.8)

  
**420-141918-A-1**  
 Water Cooler Outside Pool Lockers  
 Location: Metals Sample Cart  
 Date Sampled: 8/31/2018      420-1240367

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	COMPANY ouboces	DATE 8/31/18	TIME 8:46	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
SAMPLED BY: (SIGNATURE) <i>[Signature]</i>	COMPANY ouboces	DATE 8/31/18	TIME 539	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) *Loa Frank*     
 DATE: 08/31/18     
 TIME: 8:49     
 CUSTODY INTACT: YES/NO     
 Cooler Temp(C): 31.0°C     
 LABORATORY REMARKS: ICE (Y/N)  pH \_\_\_\_\_ CL2 \_\_\_\_\_ Revalved by \_\_\_\_\_

## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-141918-1

**Login Number: 141918**

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	31.0 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	Metals samples do 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	



## CHAIN OF CUSTODY

141918

REPORT# (Lab Use Only)

Lab Name: EnviroTest Laboratories  
Address & Phone: 315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

PROJECT REFERENCE <b>MVCSD - High School</b>	PROJECT NO.	PROJECT LOCATION	MATRIX TYPE	REQUIRED ANALYSES							PAGE 1 of 2		
ENVIROTEST PROJECT MANAGER <b>Debra Bayer</b>	P.O. NUMBER	TOWN	<small>COMPOSITE (C) OR GRAB (G) INDICATE</small> <small>AQUEOUS (WATER)</small> <small>D (Drinking Water) or W (Waste Water) Indicate</small> <small>SOLID OR SEMISOLID</small> <small>OTHER Specify</small>	Total # of Containers	40ml Vials HCl	Liter Amber HCl	250ml Plastic Nitric Acid	250ml Plastic Sulfuric Acid	Liter Plastic	250ml Plastic	Terra Core	Other	Other
CLIENT (SITE) PM <b>Jack DeGraw</b>	CLIENT PHONE <b>845-781-4887</b>	CLIENT FAX		TURNAROUND TIME									
CLIENT NAME <b>Orange-Ulster BOCES</b>	Please Email Results to: <b>christy.fischer@ouboces.org</b>			NORMAL	Yes								
CLIENT ADDRESS <b>53 Gibson Road, Goshen, NY 10924</b>	COMPANY CONTRACTING THIS WORK (if applicable):			QUICK									
			VERBAL										
			#OF COOLERS										

SAMPLE		SAMPLE IDENTIFICATION	G	D		NUMBER OF CONTAINERS SUBMITTED							REMARKS	
DATE	TIME													
8/31/18	539	Water Cooler Outside Pool Lockers	G	D		1			1					Lead (DW 200.8)
8/31/18	539	Bottle Fill Outside Pool Lockers	G	D		1			1					Lead (DW 200.8)



420-141918-A-1  
Water Cooler Outside Pool Lockers  
Location: Metals Sample Cart  
Date Sampled: 8/31/2018 420-1240367

RELINQUISHED BY: (SIGNATURE) <i>Christy Fischer</i>	COMPANY <b>ouboces</b>	DATE <b>8/31/18</b>	TIME <b>8:46</b>	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
SAMPLED BY: (SIGNATURE) <i>Christy Fischer</i>	COMPANY <b>ouboces</b>	DATE <b>8/31/18</b>	TIME <b>539</b>	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>Lisa Frank</i>	DATE <b>08/31/18</b>	TIME <b>8:49</b>	CUSTODY INTACT YES NO	Cooler Temp(C): <b>31.0°C</b>	LABORATORY REMARKS: ICE (Y <input checked="" type="checkbox"/> N) pH _____ CL2 _____	Revised by _____
--	-------------------------	---------------------	-----------------------------	----------------------------------	--	------------------