

## **ANALYTICAL REPORT**

Job Number: 420-118488-1

Job Description: Orange-Ulster BOCES

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

Attention: Jack DeGraw



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Meredith W Ruthven  
Customer Service Manager  
mruthven@envirotestlaboratories.com  
03/28/2017

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

## METHOD SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-118488-1

<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

### Lab References:

EnvTest = EnviroTest

### Method References:

EPA = US Environmental Protection Agency

**METHOD / ANALYST SUMMARY**

Client: Orange-Ulster BOCES

Job Number: 420-118488-1

<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: 420-118488-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
420-118488-1	3rd Floor Boys Bathroom - 3rd Sink in Resample	Drinking Water	03/24/2017 0616	03/24/2017 1230
420-118488-2	Room 301 Combination Sink Left Resample	Drinking Water	03/24/2017 0619	03/24/2017 1230
420-118488-3	Room 303 Left Sink Resample	Drinking Water	03/24/2017 0626	03/24/2017 1230
420-118488-4	Nurse's Bathroom Sink Resample	Drinking Water	03/24/2017 0628	03/24/2017 1230
420-118488-5	Art Room 108 Left Sink Resample	Drinking Water	03/24/2017 0631	03/24/2017 1230
420-118488-6	Art Room 108 Right Sink Resample	Drinking Water	03/24/2017 0631	03/24/2017 1230
420-118488-7	Boys Room Coaches Office Sink Resample	Drinking Water	03/24/2017 0637	03/24/2017 1230

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**Client Sample ID:** 3rd Floor Boys Bathroom - 3rd Sink in  
**Lab Sample ID:** 420-118488-1

Date Sampled: 03/24/2017 0616  
Date Received: 03/24/2017 1230  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	03/27/2017 1519	
Prep Method: 200			Date Prepared:	03/27/2017 1145	
Pb	2.90	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Room 301 Combination Sink Left Resample  
**Lab Sample ID:** 420-118488-2

Date Sampled: 03/24/2017 0619  
Date Received: 03/24/2017 1230  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	03/27/2017 1520	
Prep Method: 200			Date Prepared:	03/27/2017 1145	
Pb	4.79	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Room 303 Left Sink Resample  
**Lab Sample ID:** 420-118488-3

Date Sampled: 03/24/2017 0626  
Date Received: 03/24/2017 1230  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 03/27/2017 1521		
Prep Method: 200			Date Prepared: 03/27/2017 1145		
Pb	21.3 g	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Nurse's Bathroom Sink Resample  
**Lab Sample ID:** 420-118488-4

Date Sampled: 03/24/2017 0628  
Date Received: 03/24/2017 1230  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 03/27/2017 1521		
Prep Method: 200			Date Prepared: 03/27/2017 1145		
Pb	1.00 U	ug/L	1.00	1.00	1.0



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Job Number: 420-118488-1

**Client Sample ID:** Art Room 108 Left Sink Resample  
**Lab Sample ID:** 420-118488-5

Date Sampled: 03/24/2017 0631  
Date Received: 03/24/2017 1230  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	03/27/2017 1522	
Prep Method: 200			Date Prepared:	03/27/2017 1145	
Pb	2.28	ug/L	1.00	1.00	1.0

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**Client Sample ID:** Art Room 108 Right Sink Resample  
**Lab Sample ID:** 420-118488-6

Date Sampled: 03/24/2017 0631  
Date Received: 03/24/2017 1230  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	03/27/2017 1523	
Prep Method: 200			Date Prepared:	03/27/2017 1145	
Pb	1.85	ug/L	1.00	1.00	1.0

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Job Number: 420-118488-1

**Client Sample ID:** Boys Room Coaches Office Sink Resample  
**Lab Sample ID:** 420-118488-7

Date Sampled: 03/24/2017 0637  
Date Received: 03/24/2017 1230  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 03/27/2017 1525		
Prep Method: 200			Date Prepared: 03/27/2017 1145		
Pb	2.87	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	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:

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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), COD (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

Job Number:

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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.



**CHAIN OF CUSTODY**

REPORT# (Lab Use Only)

118488

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

PROJECT REFERENCE <b>Port Jervis CSD - MS</b>	PROJECT NO	PROJECT LOCATION	MATRIX TYPE	REQUIRED ANALYSES										PAGE 1 of 1	
ENVIROTEST PROJECT MANAGER <b>Debra Bayer</b>	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	1Lter Amber HCl	250ml Plastic Nitric Acid	250ml Plastic Sulfuric Acid	Liter Plastic	250ml Plastic	Terra Core	Other	Other	TURNAROUND TIME	
CLIENT (SITE) PM <b>Jack DeGraw</b>	CLIENT PHONE <b>845-781-4887</b>	CLIENT FAX												<b>NORMAL</b>	
CLIENT NAME <b>Orange-Ulster BOCES</b>	<b>christy.fischer@ouboces.org</b>													QUICK	
CLIENT ADDRESS <b>53 Gibson Road, Goshen, NY 10924</b>	COMPANY CONTRACTING THIS WORK (if applicable)													VERBAL	

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	D (Drinking Water) or W (Waste Water) Indicate	SOLID OR SEMISOLID	OTHER Specify	NUMBER OF CONTAINERS SUBMITTED										#OF COOLERS	REMARKS
DATE	TIME							1	2	3	4	5	6	7	8	9	10		
3/24/17	616	3rd Floor Boys Bathroom -3rd Sink in Resample	G	D				1									Lead (DW 200.8)		
3/24/17	619	Room 301 Combination Sink Left Resample	G	D				1									Lead (DW 200.8)		
3/24/17	626	Room 303 Left Sink Resample	G	D				1									Lead (DW 200.8)		
3/24/17	628	Nurse's Bathroom Sink Resample	G	D				1									Lead (DW 200.8)		
3/24/17	631	Art Room 108 Left Sink Resample	G	D				1									Lead (DW 200.8)		
3/24/17	631	Art Room 108 Right Sink Resample	G	D				1									Lead (DW 200.8)		
3/24/17	637	Boys Room Coaches Office Sink Resample	G	D				1									Lead (DW 200.8)		
																	Lead (DW 200.8)		
																	Lead (DW 200.8)		
																	Lead (DW 200.8)		
																	Lead (DW 200.8)		
																	Lead (DW 200.8)		
																	Lead (DW 200.8)		
																	Lead (DW 200.8)		
																	Lead (DW 200.8)		

420-118488-A-1  
3rd Floor Boys Bathroom - 3rd Sink in Resample  
Location: Water Sample Coolers  
Bottle: Other Client Container - unpreserved  
Date Sampled: 3/24/2017 420-1038762

RELINQUISHED BY: (SIGNATURE) <i>Christy Fischer</i>	COMPANY <b>OUBOCES</b>	DATE <b>3/24/17</b>	TIME <b>12:30</b>	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
SAMPLED BY: (SIGNATURE) <i>Debra Bayer</i>	COMPANY <b>OUBOCES</b>	DATE <b>3/24/17</b>	TIME <b>08:00</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>Al Mendorf</i>	DATE <b>3/24/17</b>	TIME <b>12:30</b>	CUSTODY INTACT YES NO	Cooler Temp(C): <b>20.10C</b>	LABORATORY REMARKS: ICE (Y ___ N ___) PH ___ CL2 ___ Revetled by
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## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-118488-1

**Login Number: 118488**

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	20.1 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	
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	