

ANALYTICAL REPORT

Job Number: 420-119433-1
SDG Number: Chester High School
Job Description: Orange-Ulster BOCES

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

Attention: Jack DeGraw



Meredith W Ruthven
Customer Service Manager
mruthven@envirotestlaboratories.com
04/20/2017

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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: 420-119433-1
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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

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-119433-1
SDG Number: Chester High School

Method	Analyst	Analyst ID
EPA 200.8 Rev.5.4	Sirico, Derek	DS

SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-119433-1
SDG Number: Chester High School

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-119433-1	CA 116A Sink Retest	Drinking Water	04/13/2017 0540	04/13/2017 1320
420-119433-2	CA 117A Sink Retest	Drinking Water	04/13/2017 0541	04/13/2017 1320
420-119433-3	CA 218 Sink 1 Retest	Drinking Water	04/13/2017 0545	04/13/2017 1320
420-119433-4	CA 350 Bathroom Sink Retest	Drinking Water	04/13/2017 0550	04/13/2017 1320
420-119433-5	CA Kitchen Dishwash Sink 4 Retest	Drinking Water	04/13/2017 0530	04/13/2017 1320
420-119433-6	CA Kitchen Hand Wash Sink by laundry machine Retest	Drinking Water	04/13/2017 0530	04/13/2017 1320
420-119433-7	CA Boys Team Room Sink 2 Retest	Drinking Water	04/13/2017 0535	04/13/2017 1320

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Client Sample ID: CA 116A Sink Retest
Lab Sample ID: 420-119433-1

Date Sampled: 04/13/2017 0540
Date Received: 04/13/2017 1320
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/14/2017 1542		
Prep Method: 200			Date Prepared: 04/14/2017 1000		
Pb	22.8 g	ug/L	1.00	1.00	1.0

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Job Number: 420-119433-1
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Client Sample ID: CA 117A Sink Retest
Lab Sample ID: 420-119433-2

Date Sampled: 04/13/2017 0541
Date Received: 04/13/2017 1320
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/14/2017 1545	
Prep Method: 200			Date Prepared:	04/14/2017 1000	
Pb	10.7	ug/L	1.00	1.00	1.0

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Job Number: 420-119433-1
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Client Sample ID: CA 218 Sink 1 Retest
Lab Sample ID: 420-119433-3

Date Sampled: 04/13/2017 0545
Date Received: 04/13/2017 1320
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/14/2017 1545	
Prep Method: 200			Date Prepared:	04/14/2017 1000	
Pb	8.79	ug/L	1.00	1.00	1.0

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Job Number: 420-119433-1
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Client Sample ID: CA 350 Bathroom Sink Retest
Lab Sample ID: 420-119433-4

Date Sampled: 04/13/2017 0550
Date Received: 04/13/2017 1320
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/14/2017	1546	
Prep Method: 200			Date Prepared: 04/14/2017	1000	
Pb	4.54	ug/L	1.00	1.00	1.0

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Job Number: 420-119433-1
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Client Sample ID: CA Kitchen Dishwash Sink 4 Retest
Lab Sample ID: 420-119433-5

Date Sampled: 04/13/2017 0530
Date Received: 04/13/2017 1320
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/14/2017 1547	
Prep Method: 200			Date Prepared:	04/14/2017 1000	
Pb	6.36	ug/L	1.00	1.00	1.0

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Job Number: 420-119433-1
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Client Sample ID: CA Kitchen Hand Wash Sink by laundry
Lab Sample ID: 420-119433-6

Date Sampled: 04/13/2017 0530
Date Received: 04/13/2017 1320
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/14/2017 1548		
Prep Method: 200			Date Prepared: 04/14/2017 1000		
Pb	11.4	ug/L	1.00	1.00	1.0

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Job Number: 420-119433-1
Sdg Number: Chester High School

Client Sample ID: CA Boys Team Room Sink 2 Retest
Lab Sample ID: 420-119433-7

Date Sampled: 04/13/2017 0535
Date Received: 04/13/2017 1320
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/18/2017 1431	
Prep Method: 200			Date Prepared:	04/18/2017 1140	
Pb	2.35	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Client: Orange-Ulster BOCES

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Lab Section	Qualifier	Description
Metals	g	Result fails applicable NYS drinking water standards

Certification Information

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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

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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

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Login Number: 119433

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	13.6 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.	True	Metals Analysis does not require cooling.
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	