

ANALYTICAL REPORT

Job Number: 420-117298-1

SDG Number: Goshen CJ Hooker

Job Description: Orange-Ulster BOCES

For:

Orange-Ulster BOCES

53 Gibson Road

Goshen, NY 10924

Attention: Jack DeGraw



Meredith W Ruthven

Customer Service Manager

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03/06/2017

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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: 420-117298-1
SDG Number: Goshen CJ Hooker

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: 420-117298-1
SDG Number: Goshen CJ Hooker

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

SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-117298-1
SDG Number: Goshen CJ Hooker

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-117298-1	CJH Girls Gang Bath O/S 104 Sink 4 Retest	Drinking Water	02/23/2017 0535	02/24/2017 0852
420-117298-2	CJH Girls Gang Bath O/S 104 Sink 5 Retest	Drinking Water	02/23/2017 0535	02/24/2017 0852
420-117298-3	CJH Principal's Bath Sink Retest	Drinking Water	02/23/2017 0532	02/24/2017 0852
420-117298-4	CJH Kitchen Bath Sink Retest	Drinking Water	02/23/2017 0539	02/24/2017 0852
420-117298-5	CJH Women's Bath O/S Gym Sink (Lobby Old Gym) Retest	Drinking Water	02/23/2017 0529	02/24/2017 0852
420-117298-6	CJH 160 Prep Room Sink Retest	Drinking Water	02/23/2017 0554	02/24/2017 0852
420-117298-7	CJH 240 Sink Retest	Drinking Water	02/23/2017 0548	02/24/2017 0852
420-117298-8	CJH Science Prep Room Sink O/S 153 Retest	Drinking Water	02/23/2017 0553	02/24/2017 0852
420-117298-9	CJH 153 Teacher's Desk Sink Retest	Drinking Water	02/23/2017 0551	02/24/2017 0852
420-117298-10	CJH 217 Teacher's Desk Sink Retest	Drinking Water	02/23/2017 0543	02/24/2017 0852
420-117298-11	CJH 215 Teacher's Desk Sink Retest	Drinking Water	02/23/2017 0542	02/24/2017 0852

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Job Number: 420-117298-1
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Client Sample ID: CJH Girls Gang Bath O/S 104 Sink 4 Retest
Lab Sample ID: 420-117298-1

Date Sampled: 02/23/2017 0535
Date Received: 02/24/2017 0852
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 02/24/2017 1316		
Prep Method: 200			Date Prepared: 02/24/2017 1030		
Pb	54.8 g	ug/L	1.00	1.00	1.0

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Job Number: 420-117298-1
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Client Sample ID: CJH Girls Gang Bath O/S 104 Sink 5 Retest
Lab Sample ID: 420-117298-2

Date Sampled: 02/23/2017 0535
Date Received: 02/24/2017 0852
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	02/24/2017 1320	
Prep Method: 200			Date Prepared:	02/24/2017 1030	
Pb	75.2 g	ug/L	1.00	1.00	1.0

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Job Number: 420-117298-1
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Client Sample ID: CJH Principal's Bath Sink Retest
Lab Sample ID: 420-117298-3

Date Sampled: 02/23/2017 0532
Date Received: 02/24/2017 0852
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 02/24/2017 1320		
Prep Method: 200			Date Prepared: 02/24/2017 1030		
Pb	5.27	ug/L	1.00	1.00	1.0

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Job Number: 420-117298-1
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Client Sample ID: CJH Kitchen Bath Sink Retest
Lab Sample ID: 420-117298-4

Date Sampled: 02/23/2017 0539
Date Received: 02/24/2017 0852
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 02/24/2017 1321		
Prep Method: 200			Date Prepared: 02/24/2017 1030		
Pb	15.9 g	ug/L	1.00	1.00	1.0

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Job Number: 420-117298-1
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Client Sample ID: CJH Women's Bath O/S Gym Sink (Lobby Old)
Lab Sample ID: 420-117298-5

Date Sampled: 02/23/2017 0529
Date Received: 02/24/2017 0852
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 02/24/2017 1322		
Prep Method: 200			Date Prepared: 02/24/2017 1030		
Pb	15.6 g	ug/L	1.00	1.00	1.0

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Job Number: 420-117298-1
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Client Sample ID: CJH 160 Prep Room Sink Retest
Lab Sample ID: 420-117298-6

Date Sampled: 02/23/2017 0554
Date Received: 02/24/2017 0852
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 03/01/2017 1359		
Prep Method: 200			Date Prepared: 02/28/2017 1800		
Pb	28.1 g	ug/L	1.00	1.00	1.0

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Job Number: 420-117298-1
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Client Sample ID: CJH 240 Sink Retest
Lab Sample ID: 420-117298-7

Date Sampled: 02/23/2017 0548
Date Received: 02/24/2017 0852
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 02/24/2017 1323		
Prep Method: 200			Date Prepared: 02/24/2017 1030		
Pb	10.2	ug/L	1.00	1.00	1.0

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Job Number: 420-117298-1
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Client Sample ID: CJH Science Prep Room Sink O/S 153 Retest
Lab Sample ID: 420-117298-8

Date Sampled: 02/23/2017 0553
Date Received: 02/24/2017 0852
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	02/24/2017 1323	
Prep Method: 200			Date Prepared:	02/24/2017 1030	
Pb	6.24	ug/L	1.00	1.00	1.0

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Job Number: 420-117298-1
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Client Sample ID: CJH 153 Teacher's Desk Sink Retest
Lab Sample ID: 420-117298-9

Date Sampled: 02/23/2017 0551
Date Received: 02/24/2017 0852
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	02/24/2017 1326	
Prep Method: 200			Date Prepared:	02/24/2017 1030	
Pb	6.73	ug/L	1.00	1.00	1.0

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Job Number: 420-117298-1
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Client Sample ID: CJH 217 Teacher's Desk Sink Retest
Lab Sample ID: 420-117298-10

Date Sampled: 02/23/2017 0543
Date Received: 02/24/2017 0852
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	02/24/2017 1326	
Prep Method: 200			Date Prepared:	02/24/2017 1030	
Pb	20.2 g	ug/L	1.00	1.00	1.0

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Job Number: 420-117298-1
Sdg Number: Goshen CJ Hooker

Client Sample ID: CJH 215 Teacher's Desk Sink Retest
Lab Sample ID: 420-117298-11

Date Sampled: 02/23/2017 0542
Date Received: 02/24/2017 0852
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	02/24/2017 1327	
Prep Method: 200			Date Prepared:	02/24/2017 1030	
Pb	7.80	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

Client: Orange-Ulster BOCES

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Sdg Number: Goshen CJ Hooker

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

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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: 420-117298-1
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Login Number: 117298

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	22.8 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. AE 2/24/17
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	