

**ANALYTICAL REPORT**

Job Number: 420-113202-1

SDG Number: Tuxedo UFSD-GGM and GFB Followup Samples

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

mruthven@envirotestlaboratories.com

12/13/2016

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, CTDOPH PH-0554

Envirotest Laboratories, Inc.

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**Job Narrative**  
**420-J113202-1**

**Comments**

Results are 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: 420-113202-1  
SDG Number: Tuxedo UFSD-GGM and GFB Followup Samples

Description	Lab Location	Method	Preparation Method
<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: 420-113202-1

SDG Number: Tuxedo UFSD-GGM and GFB Followup Samples

<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: 420-113202-1  
SDG Number: Tuxedo UFSD-GGM and GFB Followup Samples

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-113202-1	GGM Outside Spigot Gym Furnace Room	Drinking Water	11/15/2016 0545	11/15/2016 0921
420-113202-2	GFB Shop Behind (017) Right Sink	Drinking Water	11/15/2016 0530	11/15/2016 0921
420-113202-3	GFB Science 213 Sink by teacher's desk	Drinking Water	11/15/2016 0535	11/15/2016 0921
420-113202-4	GFB Science 213 back storage Room sink	Drinking Water	11/15/2016 0536	11/15/2016 0921
420-113202-5	GFB Science 214 Sink by teacher's desk (island)	Drinking Water	11/15/2016 0538	11/15/2016 0921
420-113202-6	GFB Science chemical storage sink 215	Drinking Water	11/15/2016 0538	11/15/2016 0921
420-113202-7	GFB Outside room 17 hose bib	Drinking Water	11/15/2016 0544	11/15/2016 0921
420-113202-8	GFB Handwash Sink in dishwashing room	Drinking Water	11/15/2016 0532	11/15/2016 0921

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Client Sample ID: GGM Outside Spigot Gym Furnace Room  
Lab Sample ID: 420-113202-1

Date Sampled: 11/15/2016 0545  
Date Received: 11/15/2016 0921  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 12/02/2016 0744		
Prep Method: 200			Date Prepared: 12/01/2016 1645		
Pb	15.4	g	ug/L	1.00	1.00

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Client Sample ID: GFB Shop Behind (017) Right Sink  
Lab Sample ID: 420-113202-2

Date Sampled: 11/15/2016 0530  
Date Received: 11/15/2016 0921  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 12/02/2016 0744		
Prep Method: 200			Date Prepared: 12/01/2016 1645		
Pb	3.94	ug/L	1.00	1.00	1.0

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Job Number: 420-113202-1  
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Client Sample ID: GFB Science 213 Sink by teacher's desk  
Lab Sample ID: 420-113202-3

Date Sampled: 11/15/2016 0535  
Date Received: 11/15/2016 0921  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4					
Prep Method: 200					
Pb	12.5	ug/L	1.00	1.00	1.0

Date Analyzed: 12/02/2016 0745  
Date Prepared: 12/01/2016 1645



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Job Number: 420-113202-1  
Sdg Number: Tuxedo UFSD-GGM and GFB Followup Samples

Client Sample ID: GFB Science 213 back storage Room sink  
Lab Sample ID: 420-113202-4

Date Sampled: 11/15/2016 0536  
Date Received: 11/15/2016 0921  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4					
Prep Method: 200					
Pb	61.2	g	ug/L	1.00	1.0

Date Analyzed: 12/02/2016 0746  
Date Prepared: 12/01/2016 1645

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Job Number: 420-113202-1  
Sdg Number: Tuxedo UFSD-GGM and GFB Followup Samples

Client Sample ID: GFB Science 214 Sink by teacher's desk  
Lab Sample ID: 420-113202-5

Date Sampled: 11/15/2016 0538  
Date Received: 11/15/2016 0921  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 12/02/2016 0747		
Prep Method: 200			Date Prepared: 12/01/2016 1645		
Pb	20.7	g	ug/L	1.00	1.00
				1.00	1.0

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Client Sample ID: GFB Science chemical storage sink 215  
Lab Sample ID: 420-113202-6

Date Sampled: 11/15/2016 0538  
Date Received: 11/15/2016 0921  
Client Matrix: Drinking Water

Analyte	Result/Qualfier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 12/02/2016 0747		
Prep Method: 200			Date Prepared: 12/01/2016 1645		
Pb	56.4	g	ug/L	1.00	1.0

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Job Number: 420-113202-1  
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Client Sample ID: GFB Outside room 17 hose bib  
Lab Sample ID: 420-113202-7

Date Sampled: 11/15/2016 0544  
Date Received: 11/15/2016 0921  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4					
Prep Method: 200					
Pb	83.1 g	ug/L	1.00	1.00	1.0

Date Analyzed: 12/02/2016 0748  
Date Prepared: 12/01/2016 1645

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Job Number: 420-113202-1  
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Client Sample ID: GFB Handwash Sink in dishwashing room  
Lab Sample ID: 420-113202-8

Date Sampled: 11/15/2016 0532  
Date Received: 11/15/2016 0921  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4					
Prep Method: 200					
Pb	7.48	ug/L	1.00	1.00	1.0

Date Analyzed: 12/02/2016 0749  
Date Prepared: 12/01/2016 1645

## DATA REPORTING QUALIFIERS

Client: Orange-Ulster BOCES

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<u>Lab Section</u>	<u>Qualifier</u>	<u>Description</u>
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), 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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<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.





# CHAIN OF CUSTODY

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

REPORT# (Lab Use Only)

113202

PROJECT REFERENCE Tuxedo UFSD - GGM amd GFB follow-up sampling		PROJECT LOCATION		MATRIX TYPE		REQUIRED ANALYSES		PAGE 1 of 1	
ENVIROTEST PROJECT MANAGER Debra Bayer		TOWN		SOLID OR SEMISOLID		Total # of Containers		TURNAROUND TIME	
CLIENT (SITE) PM Jack DeGraw		CLIENT PHONE 845-781-4887		AQUEOUS (WATER)		40ml Vials HCl		NORMAL	
CLIENT NAME Orange-Ulster BOCES		CLIENT FAX christy.fischer@oubooces.org		COMPOSITE (C) OR GRAB (G) WICACATE		Liter Amber HCl		QUICK	
CLIENT ADDRESS 53 Gibson Road, Goshen, NY 10924		PROJECT NO		OTHER Specify		250ml Plastic Nitric Acid		VERBAL	
COMPANY CONTRACTING THIS WORK (if applicable)		P.O. NUMBER		D (Drinking Water) or W (Waste Water) Indicate		250ml Plastic Sulfuric Acid			
		CLIENT PHONE		OTHER		Liter Plastic			
		CLIENT FAX		SOLID OR SEMISOLID		250ml Plastic			
		PROJECT NO		OTHER		Terra Core			
		P.O. NUMBER		SOLID OR SEMISOLID		Other			
		CLIENT PHONE		SOLID OR SEMISOLID		Other			
		CLIENT FAX		SOLID OR SEMISOLID		Other			

  

SAMPLE DATE	TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) WICACATE	AQUEOUS (WATER)	D (Drinking Water) or W (Waste Water) Indicate	OTHER Specify	NUMBER OF CONTAINERS SUBMITTED								#OF COOLERS	REMARKS
							Total # of Containers	40ml Vials HCl	Liter Amber HCl	250ml Plastic Nitric Acid	250ml Plastic Sulfuric Acid	Liter Plastic	250ml Plastic	Terra Core		
11/15/2016	545	GGM Outside Spigot Gym Furnace Room	G	D			1								1	Lead (DW 200.8)
11/15/2016	530	GFB Shop Behind (017) Right Sink	G	D			1								1	Lead (DW 200.8)
11/15/2016	535	GFB Science 213 sink by teacher's desk	G	D			1								1	Lead (DW 200.8)
11/15/2016	536	GFB Science 213 back storage room sink	G	D			1								1	Lead (DW 200.8)
11/15/2016	538	GFB Science 214 sink by teacher's Desk (Island)	G	D			1								1	Lead (DW 200.8)
11/15/2016	538	GFB Science chemical storage sink 215	G	D			1								1	Lead (DW 200.8)
11/15/2016	544	GFB Outside room 17 hose bib	G	D			1								1	Lead (DW 200.8)
11/15/2016	532	GFB Handwash sink in dishwashing room	G	D			1								1	Lead (DW 200.8)

  

REINQUISHED BY: (SIGNATURE)	DATE	TIME	COMPANY	RECEIVED BY: (SIGNATURE)	DATE	TIME	COMPANY
<i>Christy Fischer</i>	11/15/16	923	Ouboco				
SAMPLE BY: (SIGNATURE)	DATE	TIME	COMPANY	RECEIVED BY: (SIGNATURE)	DATE	TIME	COMPANY
<i>Christy Fischer</i>	11/15/16	545	Ouboco				
REINQUISHED BY: (SIGNATURE)	DATE	TIME	COMPANY	RECEIVED BY: (SIGNATURE)	DATE	TIME	COMPANY

  

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	Cooler Temp (C):	LABORATORY REMARKS:
<i>Christy Fischer</i>	11/15/16	0921	YES	18.6	ICE (Y/N) pH CL2 Revisited by 1R#3

## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-113202-1

SDG Number: Tuxedo UFSD-GGM and GFB Followup Samples

Login Number: 113202

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.	True	
Cooler Temperature is recorded.	True	18.6 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
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	