

ANALYTICAL REPORT

Job Number: 420-114212-1

SDG Number: Tuxedo UFSD - George F Baker

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

12/21/2016

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, CTDOH PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

METHOD SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-114212-1
SDG Number: Tuxedo UFSD - George F Baker

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: 420-114212-1
SDG Number: Tuxedo UFSD - George F Baker

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

SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-114212-1
SDG Number: Tuxedo UFSD - George F Baker

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-114212-1	GFB Classroom 123 Bathroom Sink Resample	Drinking Water	12/08/2016 0547	12/08/2016 0953

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

Job Number: 420-114212-1
Sdg Number: Tuxedo UFSD - George F Baker

Client Sample ID: GFB Classroom 123 Bathroom Sink Resample
Lab Sample ID: 420-114212-1

Date Sampled: 12/08/2016 0547
Date Received: 12/08/2016 0953
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/13/2016 1641	
Prep Method: 200			Date Prepared:	12/12/2016 1445	
Pb	3.70	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Certification Information

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

<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: 420-114212-1
SDG Number: Tuxedo UFSD - George F Baker

Login Number: 114212

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	17.3 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
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	

ANALYTICAL REPORT

Job Number: 420-114210-1

SDG Number: Tuxedo UFSD - George G Mason

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

12/21/2016

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METHOD SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-114210-1
SDG Number: Tuxedo UFSD - George G Mason

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: 420-114210-1
SDG Number: Tuxedo UFSD - George G Mason

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

SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-114210-1
SDG Number: Tuxedo UFSD - George G Mason

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-114210-1	GGM Girls Bathroom by Multipurpose Room Left Resample	Drinking Water	12/08/2016 0533	12/08/2016 0953
420-114210-2	GGM Room 08 Sink Resample	Drinking Water	12/08/2016 0536	12/08/2016 0953
420-114210-3	GGM Classroom 201 Sink Resample	Drinking Water	12/08/2016 0540	12/08/2016 0953
420-114210-4	GGM 101 Sink resample	Drinking Water	12/08/2016 0542	12/08/2016 0953
420-114210-5	GGM Men's BR Sink Next to Room 105 Resample	Drinking Water	12/08/2016 0544	12/08/2016 0953

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

Job Number: 420-114210-1
Sdg Number: Tuxedo UFSD - George G Mason

Client Sample ID: GGM Girls Bathroom by Multipurpose Room
Lab Sample ID: 420-114210-1

Date Sampled: 12/08/2016 0533
Date Received: 12/08/2016 0953
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/13/2016 1708	
Prep Method: 200			Date Prepared:	12/12/2016 1535	
Pb	20.9	g	ug/L	1.00	1.00

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

Job Number: 420-114210-1
Sdg Number: Tuxedo UFSD - George G Mason

Client Sample ID: GGM Room 08 Sink Resample
Lab Sample ID: 420-114210-2

Date Sampled: 12/08/2016 0536
Date Received: 12/08/2016 0953
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/13/2016 1709	
Prep Method: 200			Date Prepared:	12/12/2016 1535	
Pb	9.13	ug/L	1.00	1.00	1.0

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

Job Number: 420-114210-1
Sdg Number: Tuxedo UFSD - George G Mason

Client Sample ID: GGM Classroom 201 Sink Resample
Lab Sample ID: 420-114210-3

Date Sampled: 12/08/2016 0540
Date Received: 12/08/2016 0953
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/13/2016 1709	
Prep Method: 200			Date Prepared:	12/12/2016 1535	
Pb	2.61	ug/L	1.00	1.00	1.0

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

Job Number: 420-114210-1
Sdg Number: Tuxedo UFSD - George G Mason

Client Sample ID: GGM 101 Sink resample
Lab Sample ID: 420-114210-4

Date Sampled: 12/08/2016 0542
Date Received: 12/08/2016 0953
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/13/2016 1710	
Prep Method: 200			Date Prepared:	12/12/2016 1535	
Pb	20.4	g	ug/L	1.00	1.00

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

Job Number: 420-114210-1
Sdg Number: Tuxedo UFSD - George G Mason

Client Sample ID: GGM Men's BR Sink Next to Room 105
Lab Sample ID: 420-114210-5

Date Sampled: 12/08/2016 0544
Date Received: 12/08/2016 0953
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/13/2016 1711	
Prep Method: 200			Date Prepared:	12/12/2016 1535	
Pb	12.0	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Client: Orange-Ulster BOCES

Job Number:
Sdg Number: Tuxedo UFSD - George G Mason

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

Certification Information

Client: Orange-Ulster BOCES

Job Number:

Sdg Number: Tuxedo UFSD - George G Mason

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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.

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The following analytes are Not Part of ELAP Non Potable Water scope of accreditation:

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Definitions and Glossary

Client: Orange-Ulster BOCES

Job Number:

Sdg Number: Tuxedo UFSD - George G Mason

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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)

114210

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

PROJECT REFERENCE Tuxedo UFSD - George G Mason		PROJECT NO.	PROJECT LOCATION		MATRIX TYPE	REQUIRED ANALYSES						PAGE 1 of 1	
ENVIROTEST PROJECT MANAGER Debra Bayer		PO NUMBER	TOWN	OTHER SAFETY		40ml Vials HCl	250ml Plastic Nitric Acid	250ml Plastic Sulfuric Acid	Liter Plastic	250ml Plastic	Terra Core	Other	TURNAROUND TIME
CLIENT (SITE) PM Jack DeGraw		CLIENT PHONE 845-781-4887	CLIENT FAX	COMPOSITE (C) OR GRAB (G) INDICATE	AGUEOUS (WATER)	Drinking (Water) or (Grate Water) Indicate	SOLID OR SEMISOLID	Other	Other	Other	Other	Other	
CLIENT NAME Orange-Ulster BOCES		christy.fischer@oubooces.org		SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED						#OF COOLERS	REMARKS
DATE	TIME	SAMPLE IDENTIFICATION		DATE		TIME		DATE		TIME		RECEIVED BY: (SIGNATURE)	
12/8/16	533	GGM Girls Bathroom by Multipurpose Room Left Resample		G	D	1	1	1	1	1	1	1	Lead (DW 200.8)
12/8/16	536	GGM Room 08 Sink Resample		G	D	1	1	1	1	1	1	1	Lead (DW 200.8)
12/8/16	540	GGM Classroom 201 Sink Resample		G	D	1	1	1	1	1	1	1	Lead (DW 200.8)
12/8/16	542	GGM 101 Sink Resample		G	D	1	1	1	1	1	1	1	Lead (DW 200.8)
12/8/16	544	GGM Men's BR Sink Next to Room 105 Resample		G	D	1	1	1	1	1	1	1	Lead (DW 200.8)
RELINQUISHED BY: (SIGNATURE)		COMPANY		DATE	TIME	RECEIVED BY: (SIGNATURE)		COMPANY		DATE	TIME	RECEIVED BY: (SIGNATURE)	
<i>[Signature]</i>		oubooces COMPANY		12/8/16	533	<i>[Signature]</i>		oubooces COMPANY		12/8/16	544	<i>[Signature]</i>	
RELINQUISHED BY: (SIGNATURE)		COMPANY		DATE	TIME	RECEIVED BY: (SIGNATURE)		COMPANY		DATE	TIME	RECEIVED BY: (SIGNATURE)	
<i>[Signature]</i>		oubooces COMPANY		12/8/16	544	<i>[Signature]</i>		oubooces COMPANY		12/8/16	544	<i>[Signature]</i>	

RECEIVED FOR LABORATORY BY: (SIGNATURE) *[Signature]*

DATE 12/8/16 TIME 0953

CUSTODY INTACT YES NO

COOLER TEMP (C): 17.3

LABORATORY REMARKS: ICE (Y/N) pH CL2

RECEIVED BY: (SIGNATURE) *[Signature]*

DATE

TIME

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-114210-1

SDG Number: Tuxedo UFSD - George G Mason

Login Number: 114210

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	17.3 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
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	