

ANALYTICAL REPORT

Job Number: 420-103397-1

SDG Number: Tuxedo - George Grant Mason Elementary

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

04/27/2016

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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

Job Narrative
420-J103397-1

Comments

Results are compared to NYS DOH 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: 420-103397-1
SDG Number: Tuxedo - George Grant Mason Elementary

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: 420-103397-1

SDG Number: Tuxedo - George Grant Mason Elementary

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

SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-103397-1
SDG Number: Tuxedo - George Grant Mason Elementary

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-103397-1	GGM Entry Point in Crawl Space	Drinking Water	04/22/2016 0637	04/22/2016 0832
420-103397-2	GGM Lower Water Cooler Outside Cafeteria	Drinking Water	04/22/2016 0638	04/22/2016 0832
420-103397-3	GGM Kitchen Sink (Right)	Drinking Water	04/22/2016 0640	04/22/2016 0832
420-103397-4	GGM Faculty Room Sink	Drinking Water	04/22/2016 0642	04/22/2016 0832
420-103397-5	GGM Water Cooler (Low) Outside Rm. 109	Drinking Water	04/22/2016 0644	04/22/2016 0832
420-103397-6	GGM Nurse 106 Bathroom Sink	Drinking Water	04/22/2016 0643	04/22/2016 0832
420-103397-7	GGM Main Office Bathroom Sink	Drinking Water	04/22/2016 0645	04/22/2016 0832
420-103397-8	GGM Faculty Rm. Sink (Left)	Drinking Water	04/22/2016 0647	04/22/2016 0832
420-103397-9	GGM Gym Water Cooler	Drinking Water	04/22/2016 0653	04/22/2016 0832
420-103397-10	GGM Gym Storage Closet Sink	Drinking Water	04/22/2016 0650	04/22/2016 0832
420-103397-11	GGM Water Cooler (Low) Outside 206	Drinking Water	04/22/2016 0651	04/22/2016 0832
420-103397-12	GGM Kitchen Sink Flush (Right)	Drinking Water	04/22/2016 0656	04/22/2016 0832

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Client Sample ID: GGM Entry Point in Crawl Space
Lab Sample ID: 420-103397-1

Date Sampled: 04/22/2016 0637
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/26/2016 2056	
Prep Method: 200			Date Prepared:	04/25/2016 1359	
Pb	1400 g	ug/L	10	10	10

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Job Number: 420-103397-1
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Client Sample ID: GGM Lower Water Cooler Outside Cafeteria
Lab Sample ID: 420-103397-2

Date Sampled: 04/22/2016 0638
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/25/2016 1759	
Prep Method: 200			Date Prepared:	04/25/2016 1359	
Pb	1.0 U	ug/L	1.0	1.0	1.0

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Job Number: 420-103397-1
Sdg Number: Tuxedo - George Grant Mason Elementary

Client Sample ID: GGM Kitchen Sink (Right)
Lab Sample ID: 420-103397-3

Date Sampled: 04/22/2016 0640
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/25/2016 1803		
Prep Method: 200			Date Prepared: 04/25/2016 1359		
Pb	1.0 U	ug/L	1.0	1.0	1.0

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Job Number: 420-103397-1
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Client Sample ID: GGM Faculty Room Sink
Lab Sample ID: 420-103397-4

Date Sampled: 04/22/2016 0642
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/25/2016 1806		
Prep Method: 200			Date Prepared: 04/25/2016 1359		
Pb	1.0 U	ug/L	1.0	1.0	1.0

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Job Number: 420-103397-1
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Client Sample ID: GGM Water Cooler (Low) Outside Rm. 109
Lab Sample ID: 420-103397-5

Date Sampled: 04/22/2016 0644
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/25/2016 1810	
Prep Method: 200			Date Prepared:	04/25/2016 1359	
Pb	1.0 U	ug/L	1.0	1.0	1.0

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Job Number: 420-103397-1
Sdg Number: Tuxedo - George Grant Mason Elementary

Client Sample ID: GGM Nurse 106 Bathroom Sink
Lab Sample ID: 420-103397-6

Date Sampled: 04/22/2016 0643
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/25/2016 1813	
Prep Method: 200			Date Prepared:	04/25/2016 1359	
Pb	4.0	ug/L	1.0	1.0	1.0

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Job Number: 420-103397-1
Sdg Number: Tuxedo - George Grant Mason Elementary

Client Sample ID: GGM Main Office Bathroom Sink
Lab Sample ID: 420-103397-7

Date Sampled: 04/22/2016 0645
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/25/2016 1824	
Prep Method: 200			Date Prepared:	04/25/2016 1359	
Pb	1.0 U	ug/L	1.0	1.0	1.0

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Job Number: 420-103397-1
Sdg Number: Tuxedo - George Grant Mason Elementary

Client Sample ID: GGM Faculty Rm. Sink (Left)
Lab Sample ID: 420-103397-8

Date Sampled: 04/22/2016 0647
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/25/2016 1827		
Prep Method: 200			Date Prepared: 04/25/2016 1359		
Pb	1.0 U	ug/L	1.0	1.0	1.0

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Job Number: 420-103397-1
Sdg Number: Tuxedo - George Grant Mason Elementary

Client Sample ID: GGM Gym Water Cooler
Lab Sample ID: 420-103397-9

Date Sampled: 04/22/2016 0653
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/26/2016 1600	
Prep Method: 200			Date Prepared:	04/26/2016 1400	
Pb	1.0 U	ug/L	1.0	1.0	1.0

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Job Number: 420-103397-1
Sdg Number: Tuxedo - George Grant Mason Elementary

Client Sample ID: GGM Gym Storage Closet Sink
Lab Sample ID: 420-103397-10

Date Sampled: 04/22/2016 0650
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/26/2016 1614	
Prep Method: 200			Date Prepared:	04/26/2016 1400	
Pb	9.7	ug/L	1.0	1.0	1.0

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Job Number: 420-103397-1
Sdg Number: Tuxedo - George Grant Mason Elementary

Client Sample ID: GGM Water Cooler (Low) Outside 206
Lab Sample ID: 420-103397-11

Date Sampled: 04/22/2016 0651
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/25/2016 1831	
Prep Method: 200			Date Prepared:	04/25/2016 1359	
Pb	1.0 U	ug/L	1.0	1.0	1.0

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Job Number: 420-103397-1
Sdg Number: Tuxedo - George Grant Mason Elementary

Client Sample ID: GGM Kitchen Sink Flush (Right)
Lab Sample ID: 420-103397-12

Date Sampled: 04/22/2016 0656
Date Received: 04/22/2016 0832
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/25/2016 1834		
Prep Method: 200			Date Prepared: 04/25/2016 1359		
Pb	1.0 U	ug/L	1.0	1.0	1.0

DATA REPORTING QUALIFIERS

Client: Orange-Ulster BOCES

Job Number:
Sdg Number: Tuxedo - George Grant Mason Elementary

<u>Lab Section</u>	<u>Qualifier</u>	<u>Description</u>
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Metals

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Result fails applicable NYS drinking water standards
The analyte was analyzed for but not detected at or above the
lowest stated limit.

Definitions and Glossary

Client: Orange-Ulster BOCES

Job Number:

Sdg Number: Tuxedo - George Grant Mason Elementary

<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: 420-103397-1

SDG Number: Tuxedo - George Grant Mason Elementary

Login Number: 103397

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	20.8 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 specific sample temperature. AE 4/22/16
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	

EnviroTest Laboratories, Inc.



CHAIN OF CUSTODY

Lab Name: EnviroTest Laboratories
 Address & Phone: 315 Fullerton Avenue, Newburgh, New York 12550 845-662-0890

REPORT# (Lab Use Only)
103397-1

PROJECT REFERENCE Tuxedo UFS D - George Grant Mason Elementary	PROJECT NO.	PROJECT LOCATION	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1 of 1
ENVIROTEST PROJECT MANAGER Debra Bayer	P.O. NUMBER	TOWN	COMPOSITE (C) OR GRAB (G) INDICATE	40ml Vials HCl	TURNAROUND TIME
CLIENT (SITE) PM Jack DeGraw	CLIENT PHONE 845-781-4887	CLIENT FAX	AGUEOUS (WATER)	Liter Amber HCl	
CLIENT NAME Orange-Ulster BOCES	CLIENT ADDRESS 53 Gibson Road, Goshen, NY 10924	CLIENT FAX Christy.Fischer@oubooces.org	D (Drinking Water) or W (Waste Water) Indicate	250ml Plastic Nitric Acid	NORMAL
	COMPANY CONTRACTING THIS WORK IF APPLICABLE:		SOLID OR SEMISOLID	250ml Plastic Sulfuric Acid	
			OTHER Specify	Liter Plastic	QUICK
				250ml Plastic	
				Terra Core	VERBAL
				Other	

SAMPLE	DATE	TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED		REMARKS
				RECEIVED BY (SIGNATURE)	COMPANY DATE	
1	4/22/16	637	SSM Entry Point in crawl space	1	1	Lead (DW 200.8)
2	4/22/16	638	SSM Lower water cooler outside cafeteria	1	1	Lead (DW 200.8)
3	4/22/16	640	SSM Kitchen Sink (Right)	1	1	Lead (DW 200.8)
4	4/22/16	642	SSM Faculty Room Sink	1	1	Lead (DW 200.8)
5	4/22/16	644	SSM Water Cooler (low) outside Rm 109	1	1	Lead (DW 200.8)
6	4/22/16	643	SSM Nurse 101 bathroom sink	1	1	Lead (DW 200.8)
7	4/22/16	645	SSM Main office bathroom sink	1	1	Lead (DW 200.8)
8	4/22/16	647	SSM Faculty Rm Sink (Left)	1	1	Lead (DW 200.8)
9	4/22/16	653	SSM Gym Water Cooler	1	1	Lead (DW 200.8)
10	4/22/16	650	SSM Gym Storage closet sink	1	1	Lead (DW 200.8)
11	4/22/16	651	SSM Water Cooler (low) outside 206	1	1	Lead (DW 200.8)
12	4/22/16	656	SSM Kitchen Sink Elvin (Right)	1	1	Lead (DW 200.8)

RECEIVED FOR LABORATORY BY (SIGNATURE) <i>J. Novarene</i>	DATE 4/22/16	TIME 832	CUSTODY INTACT YES NO	Cooler Temp (C): 20.8	LABORATORY REMARKS: ICE (Y/N) <input checked="" type="checkbox"/> PI <input checked="" type="checkbox"/> CL2 <input checked="" type="checkbox"/> Reviewed by: _____
RECEIVED BY (SIGNATURE) <i>R. DeGraw</i>	DATE 4/22/16	TIME 0720			