

**ANALYTICAL REPORT**

Job Number: 420-105492-1

SDG Number: Tuxedo UFSD - George Grant Mason Element

Job Description: Orange-Ulster BOCES

For:

Orange-Ulster BOCES

53 Gibson Road

Goshen, NY 10924

Attention: Jack DeGraw



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Designee for

Meredith W Ruthven

Customer Service Manager

[mruthven@envirotestlaboratories.com](mailto:mruthven@envirotestlaboratories.com)

06/16/2016

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. 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.**

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 [www.envirotestlaboratories.com](http://www.envirotestlaboratories.com)

**Job Narrative**  
**420-J105492-1**

**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: 420-105492-1  
SDG Number: Tuxedo UFSD - George Grant Mason Element

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: 420-105492-1  
SDG Number: Tuxedo UFSD - George Grant Mason Element

<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: 420-105492-1  
SDG Number: Tuxedo UFSD - George Grant Mason Element

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
420-105492-1	GGM - Room 205 Fountain (Initial)	Drinking Water	06/08/2016 0618	06/08/2016 1058
420-105492-2	GGM - Room 205 Fountain (Flush)	Drinking Water	06/08/2016 0620	06/08/2016 1058

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

Job Number: 420-105492-1  
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Client Sample ID: GGM - Room 205 Fountain (Initial)  
Lab Sample ID: 420-105492-1

Date Sampled: 06/08/2016 0618  
Date Received: 06/08/2016 1058  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	06/15/2016 0220	
Prep Method: 200			Date Prepared:	06/14/2016 1300	
Pb	7.46	ug/L	1.00	1.00	1.0

Jack DeGraw  
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Goshen, NY 10924

Job Number: 420-105492-1  
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Client Sample ID: GGM - Room 205 Fountain (Flush)  
Lab Sample ID: 420-105492-2

Date Sampled: 06/08/2016 0620  
Date Received: 06/08/2016 1058  
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	06/15/2016 0223	
Prep Method: 200			Date Prepared:	06/14/2016 1300	
Pb	2.89	ug/L	1.00	1.00	1.0

## DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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## 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, Fluorobenzene, 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), Nitrate-Nitrite (353.2, 10-107-4-1C), TKN (351.2), Phosphorus (365.3), Total Cresols (8270), 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).

**The following analytes are Part of ELAP scope of accreditation but not for the noted methods:**

Nitrate (Solid & Hazardous Waste Matrix, 300), Nitrite (Solid & Hazardous Waste, 300, 4500NO2), Sulfate (Solid & Hazardous, 300.0), alpha-Chlordane (608), Endrin Ketone (608), gamma-Chlordane (608), PCB-1262 (608), PCB-1268 (608), 1,2-Diphenylhydrazine (625), 2-MethylNaphthalene (625), 3-Methylphenol (625), 4-Nitroaniline (625), 1,1,1,2- Tetrachloroethane (624,601), 1,1,2-Trichloro-1,2,2-trifluoroethane (601,624), 1,2,3-Trichlorobenzene (624, 601), 1,2,3-Trichloropropane (624), 1,2,4-Trichlorobenzene (601,624), 1,2,4-trimethylbenzene (624), 1,2-Dichloro-3-Chloropropane (601, 624), 1,2-Dichloro-1,1,2-trifluoroethane (601, 624), 1,3,5-Trimethylbenzene (624), 1,3-Dichloropropane (624), 2,2-dichloropropane (601,624), 2-chlorotoluene (601,624), 2-hexanone (624), 4-Chlorotoluene (601,624), 4-Isopropyltoluene (624), Acetonitrile (624), Benzyl Chloride (624, 8021), Bromobenzene (601,624), Carbon disulfide (624), Bromochloromethane (624), Dibromomethane (624), 1,2-Dibromoethane (624), Hexachlorobutadiene (624), Isopropylbenzene (624), 2-Butanone (Methyl Ethyl Ketone) (624), 4-methyl-2-pentanone (624), MTBE (602), m-Xylene & p-Xylene (8021), Naphthalene (602,624), n-Butylbenzene (624), n-Propylbenzene (624), sec-Butylbenzene (624), tert-Butylbenzene (624), trans-1,4-Dichloro-2-butene (624), & Tetrahydrofuran (8260, 624).

**The following analytes are Part of ELAP Scope of accreditation but not part of our certification:**

Silica (6010), Free Cyanide (4500CN E), Amenable Cyanide (4500DCNG), & Vinyl Acetate (624).

**The following Analytes are Part of ELAP Scope of accreditation but not part of our certification for a Non Potable Water Matrix:**

Aluminium (200.8), Turbidity (180.1), Methanol (8015D), Dalapon (8151A), 1,2-Dichlorobenzene (601), Acetone (624), MTBE (624), m-Xylene & p-Xylene (602).

**The following Analytes are Part of ELAP Scope of accreditation but not part of our certification for a Potable Water Matrix:**

Bromide (300), Ethylene Glycol (8015D), Propylene Glycol (8015D).

**The following Analyte(s) Part of ELAP Scope of accreditation but not part of our certification for a Solid and Hazardous Waste Matrix:**

1,2-Diphenolhydrazine (8270).

**The following Analytes are Part of ELAP Scope of accreditation but not part of our certification for an Air Matrix:**

1,2-Dichlorobenzene, Carbon tetrachloride, Chlorobenzene, Chloroform, Ethylbenzene, Methylene Chloride, Tetrachloroethene, Toluene, & Trichloroethene.

## Definitions and Glossary

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Abbreviation	These commonly used abbreviations may or may not be present in this report.
%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.

# EnviroTest Laboratories, Inc.

## CHAIN OF CUSTODY

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

REPORT# (Lab Use Only)

105492

ENVIROTEST PROJECT NO. [Redacted]	PROJECT NO.	PROJECT LOCATION	MATRIX TYPE		REQUIRED ANALYSES						PAGE 1 of 1			
CLIENT (SITE) PM Debra Bayer	P.O. NUMBER	TOWN			Total # of Containers 40ml Vials HCl Liter Amber HCl 250ml Plastic Nitric Acid 250ml Plastic Sulfuric Acid Liter Plastic 250ml Plastic Terra Core Other Other						TURNAROUND TIME			
CLIENT NAME Orange-Ulster BOCES	CLIENT PHONE 845-781-4887	CLIENT FAX									NORMAL			
CLIENT ADDRESS 53 Gibson Road, Goshen, NY 10924	CLIENT FAX gfristy.fischer@oubooces.org										QUICK			
COMPLAINANT CONTRACTING THIS WORK (If applicable)											VERBAL			
COMPOSITE (C) OR GRAB (G) INDICATE														
AQUEOUS (WATER)														
D (Drinking Water) or W (Waste Water) Indicate														
SOLID OR SEMISOLID														
OTHER Specify														
NUMBER OF CONTAINERS SUBMITTED														
DATE	TIME	SAMPLE IDENTIFICATION		COMPOSITE (C) OR GRAB (G)	INDICATE	RECEIVED BY (SIGNATURE)						#OF COOLERS		
6/8/2016	1212	GGM - Room 205 Fountain (Initial)		G	D	1	1	1	1	1	1	1	1	Lead (DW 200.8)
6/8/2016	1630	GGM - Room 205 Fountain (Flush)		G	D	1	1	1	1	1	1	1	1	Lead (DW 200.8)
						1	1	1	1	1	1	1	1	Lead (DW 200.8)
						1	1	1	1	1	1	1	1	Lead (DW 200.8)
						1	1	1	1	1	1	1	1	Lead (DW 200.8)
						1	1	1	1	1	1	1	1	Lead (DW 200.8)
						1	1	1	1	1	1	1	1	Lead (DW 200.8)
						1	1	1	1	1	1	1	1	Lead (DW 200.8)
						1	1	1	1	1	1	1	1	Lead (DW 200.8)
						1	1	1	1	1	1	1	1	Lead (DW 200.8)
						1	1	1	1	1	1	1	1	Lead (DW 200.8)
						1	1	1	1	1	1	1	1	Lead (DW 200.8)
RELINQUISHED BY (SIGNATURE) [Signature]	DATE 6/8/16	COMPANY BOCES	DATE 6/8/16	TIME 20:58	RECEIVED BY (SIGNATURE) [Signature]	DATE 6/8/16	TIME 11:06:20	RECEIVED BY (SIGNATURE) [Signature]	DATE 6/8/16	TIME 11:00	RECEIVED BY (SIGNATURE) [Signature]	DATE 6/8/16	TIME 11:00	RECEIVED BY (SIGNATURE) [Signature]
RECEIVED FOR LAB LABORATORY BY (SIGNATURE) [Signature]	DATE 6/8/16	TIME 11:00	CUSTOMER INTACT YES	COOLER TEMP (C) 21.6	LABORATORY REMARKS: ICE TV NA, PH C12						Reviewed by			

Tuxedo

FC-58  
G3 6/8/16

## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-105492-1

SDG Number: Tuxedo UFSD - George Grant Mason Element

**Login Number: 105492**

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	21.6 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.	False	
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	

# EnviroTest Laboratories, Inc.

## CHAIN OF CUSTODY

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

REPORT# (Lab Use Only)

1054992

ENVIROTEST PROJECT NO. [REDACTED]		PROJECT LOCATION		MATRIX TYPE		REQUIRED ANALYSES						PAGE 1 of 1	
CLIENT NAME: Debra Bayer		P.O. NUMBER		TOWN		<input type="checkbox"/> COMPOSITE (C) OR GRAB (G) INDICATE <input type="checkbox"/> AQUEOUS (WATER) <input type="checkbox"/> D (Drinking Water) or W (Waste Water) Indicate <input type="checkbox"/> SOLID OR SEMISOLID OTHER Specify:						TURNDOWN TIME	
CLIENT (SITE) PM: Jack DeGraw		CLIENT PHONE: 845-781-4887		CLIENT FAX		Total # of Containers 40ml Vials HCl Liter Amber HCl 260ml Plastic Nitric Acid 250ml Plastic Sulfuric Acid Liter Plastic 250ml Plastic Terra Core Other Other						NORMAL	
CLIENT NAME: Orange-Ulster BOCES		CLIENT ADDRESS: 53 Gibson Road, Goshen, NY 10924		CLIENT FAX: shivley.fischer@oubooces.org		NUMBER OF CONTAINERS SUBMITTED						QUICK	
COMPARISON CONTRACTING THIS WORK (if applicable)		DATE		TIME		RECEIVED BY: (SIGNATURE)						VERBAL	
SAMPLE IDENTIFICATION		DATE		TIME		RECEIVED BY: (SIGNATURE)						#OF COOLERS	
6/8/2016 6:12		GGM - Room 205 Fountain (Initial)		G		RECEIVED BY: (SIGNATURE)						REMARKS	
6/8/2016 6:30		GGM - Room 205 Fountain (Flush)		G		RECEIVED BY: (SIGNATURE)							
REINQUISHED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)						Lead (DW 200.8)	
SAMPLED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)						Lead (DW 200.8)	
COMPANY: BOCES		DATE		TIME		RECEIVED BY: (SIGNATURE)						Lead (DW 200.8)	
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)						Lead (DW 200.8)	
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)						Lead (DW 200.8)	

Tuxedo

10:58  
 6/8/16  
 11:00  
 21-6

LABORATORY REMARKS: ICE (Y/N) PH CL2  
 Received by: