EnviroTest Laboratories Inc.

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

Designee for
Meredith W Ruthven
Customer Service Manager
mruthven@envirotestlaboratories.com
06/16/2016

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

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

Method	Analyst	Analyst ID
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

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
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
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Goshen, NY 10924

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

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

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

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

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, Phenolpthalien 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), Platinium (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-MethylNapthalene (625), 3-Methylphenol (625), 4-Nitoaniline (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

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

[redacted] ENVIROTEST PROJECT [redacted]: Debra Bayer
PROJECT NO.:
PROJECT LOCATION:
P.O. NUMBER:
TOWN:
CLIENT (SITE) PM: Jack DeGraw
CLIENT PHONE: 845-781-4887
CLIENT FAX:
CLIENT NAME: Orange-Ulster BOCES
christy.fischer@ouboces.org
CLIENT ADDRESS: 53 Gibson Road, Goshen, NY 10924
COMPANY CONTRACTING THIS WORK (if applicable):

PAGE 1 of 1

TURNAROUND TIME: NORMAL ____ QUICK ____ VERBAL ____

#OF COOLERS

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	D (Drinking Water) or W (Waste Water) Indicate	SOLID OR SEMISOLID	OTHER Specify	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	REMARKS
6/8/2016	0618	GGM - Room 205 Fountain (Initial)	G		D			1			1							Lead (DW 200.8)
6/8/2016	0620	GGM - Room 205 Fountain (Flush)	G		D			1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)

NUMBER OF CONTAINERS SUBMITTED

	COMPANY	DATE	TIME		COMPANY	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	OUBOCES	6/8/16	10:58	RECEIVED BY: (SIGNATURE)			
SAMPLED BY: (SIGNATURE)	"	"	6:20	RECEIVED BY: (SIGNATURE)			
RELINQUISHED BY: (SIGNATURE)				RECEIVED BY: (SIGNATURE)			

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES / NO	Cooler Temp(C):	LABORATORY REMARKS:
	6/8/16	~~11:00~~ 10:58		21.6	ICE (Y__N✓) pH____ CL2____ Reviewed by________

GB 6/8/16

Tuxedo

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	

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CHAIN OF CUSTODY

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REPORT# (Lab Use Only): 105492

[redacted]

ENVIROTEST PROJECT [redacted] Debra Bayer	PROJECT NO.	PROJECT LOCATION	PAGE 1 of 1
	P.O. NUMBER	TOWN	
CLIENT (SITE) PM: Jack DeGraw	CLIENT PHONE: 845-781-4887	CLIENT FAX	TURNAROUND TIME
CLIENT NAME: Orange-Ulster BOCES	christy.fischer@ouboces.org		NORMAL ____ QUICK ____ VERBAL ____
CLIENT ADDRESS: 53 Gibson Road, Goshen, NY 10924			
COMPANY CONTRACTING THIS WORK (if applicable):			#OF COOLERS

MATRIX TYPE / REQUIRED ANALYSES / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	D (Drinking Water) or W (Waste Water) Indicate	SOLID OR SEMISOLID	OTHER Specify	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	REMARKS
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								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)
								1			1							Lead (DW 200.8)

	COMPANY	DATE	TIME		COMPANY	DATE	TIME
RELINQUISHED BY: (SIGNATURE) [signature]	OUBOCES	6/8/16	10:58	RECEIVED BY: (SIGNATURE)			
SAMPLED BY: (SIGNATURE) [signature]	"	"	11:06:20	RECEIVED BY: (SIGNATURE)			
RELINQUISHED BY: (SIGNATURE)				RECEIVED BY: (SIGNATURE)			

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES / NO	Cooler Temp(C):	LABORATORY REMARKS:
[signature]	6/8/16	11:00		21.6	ICE (Y__ N✓) pH____ CL2____ Reviewed by________

10:58
GP 6/8/16

Tuxedo