

ANALYTICAL REPORT

Job Number: 420-118864-1

SDG Number: Goshen GIS

Job Description: Orange-Ulster BOCES

For:

Orange-Ulster BOCES

53 Gibson Road

Goshen, NY 10924

Attention: Jack DeGraw



Meredith W Ruthven

Customer Service Manager

mruthven@envirotestlaboratories.com

04/10/2017

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

METHOD SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-118864-1

SDG Number: Goshen GIS

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: 420-118864-1
SDG Number: Goshen GIS

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

SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-118864-1

SDG Number: Goshen GIS

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-118864-1	GIS Kitchen Front Was Station Sink 2 Retest	Drinking Water	03/30/2017 0601	04/04/2017 1004
420-118864-2	GIS Gym Boys Side Office Sink Retest	Drinking Water	03/30/2017 0623	04/04/2017 1004
420-118864-3	GIS Room 100 Sink Retest	Drinking Water	03/30/2017 0608	04/04/2017 1004
420-118864-4	GIS Main Office Mens Bath Sink Retest	Drinking Water	03/30/2017 0606	04/04/2017 1004
420-118864-5	GIS Rm 103 Sink Retest	Drinking Water	03/30/2017 0610	04/04/2017 1004
420-118864-6	GIS Library School Store Sink Retest	Drinking Water	03/30/2017 0604	04/04/2017 1004
420-118864-7	GIS Kitchen Island Prep Sink by Kettle Retest	Drinking Water	03/30/2017 0601	04/04/2017 1004
420-118864-8	GIS 127 Sink Retest	Drinking Water	03/30/2017 0619	04/04/2017 1004
420-118864-9	GIS Room 107 Sink Retest	Drinking Water	03/30/2017 0613	04/04/2017 1004
420-118864-10	GIS Rm 108 Sink Retest	Drinking Water	03/30/2017 0615	04/04/2017 1004
420-118864-11	GIS 129 Sink Retest	Drinking Water	03/30/2017 0620	04/04/2017 1004

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Job Number: 420-118864-1
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Client Sample ID: GIS Kitchen Front Was Station Sink 2 Retest
Lab Sample ID: 420-118864-1

Date Sampled: 03/30/2017 0601
Date Received: 04/04/2017 1004
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/05/2017 1609	
Prep Method: 200			Date Prepared:	04/05/2017 1226	
Pb	64.8 g	ug/L	1.00	1.00	1.0

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Job Number: 420-118864-1
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Client Sample ID: GIS Gym Boys Side Office Sink Retest
Lab Sample ID: 420-118864-2

Date Sampled: 03/30/2017 0623
Date Received: 04/04/2017 1004
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/05/2017 1610		
Prep Method: 200			Date Prepared: 04/05/2017 1226		
Pb	241 g	ug/L	1.00	1.00	1.0

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Job Number: 420-118864-1
Sdg Number: Goshen GIS

Client Sample ID: GIS Room 100 Sink Retest
Lab Sample ID: 420-118864-3

Date Sampled: 03/30/2017 0608
Date Received: 04/04/2017 1004
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/07/2017 1827	
Prep Method: 200			Date Prepared:	04/06/2017 1630	
Pb	474 g	ug/L	1.00	1.00	1.0

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Job Number: 420-118864-1
Sdg Number: Goshen GIS

Client Sample ID: GIS Main Office Mens Bath Sink Retest
Lab Sample ID: 420-118864-4

Date Sampled: 03/30/2017 0606
Date Received: 04/04/2017 1004
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/05/2017 1610		
Prep Method: 200			Date Prepared: 04/05/2017 1226		
Pb	51.7 g	ug/L	1.00	1.00	1.0

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Job Number: 420-118864-1
Sdg Number: Goshen GIS

Client Sample ID: GIS Rm 103 Sink Retest
Lab Sample ID: 420-118864-5

Date Sampled: 03/30/2017 0610
Date Received: 04/04/2017 1004
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/05/2017 1611	
Prep Method: 200			Date Prepared:	04/05/2017 1226	
Pb	8.67	ug/L	1.00	1.00	1.0

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Job Number: 420-118864-1
Sdg Number: Goshen GIS

Client Sample ID: GIS Library School Store Sink Retest
Lab Sample ID: 420-118864-6

Date Sampled: 03/30/2017 0604
Date Received: 04/04/2017 1004
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/05/2017 1613		
Prep Method: 200			Date Prepared: 04/05/2017 1226		
Pb	10.9	ug/L	1.00	1.00	1.0

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Job Number: 420-118864-1
Sdg Number: Goshen GIS

Client Sample ID: GIS Kitchen Island Prep Sink by Kettle Retest
Lab Sample ID: 420-118864-7

Date Sampled: 03/30/2017 0601
Date Received: 04/04/2017 1004
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/05/2017 1614	
Prep Method: 200			Date Prepared:	04/05/2017 1226	
Pb	16.7 g	ug/L	1.00	1.00	1.0

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Job Number: 420-118864-1
Sdg Number: Goshen GIS

Client Sample ID: GIS 127 Sink Retest
Lab Sample ID: 420-118864-8

Date Sampled: 03/30/2017 0619
Date Received: 04/04/2017 1004
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	04/05/2017 1615	
Prep Method: 200			Date Prepared:	04/05/2017 1226	
Pb	3.08	ug/L	1.00	1.00	1.0

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Job Number: 420-118864-1
Sdg Number: Goshen GIS

Client Sample ID: GIS Room 107 Sink Retest
Lab Sample ID: 420-118864-9

Date Sampled: 03/30/2017 0613
Date Received: 04/04/2017 1004
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/05/2017 1616		
Prep Method: 200			Date Prepared: 04/05/2017 1226		
Pb	191 g	ug/L	1.00	1.00	1.0

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Job Number: 420-118864-1
Sdg Number: Goshen GIS

Client Sample ID: GIS Rm 108 Sink Retest
Lab Sample ID: 420-118864-10

Date Sampled: 03/30/2017 0615
Date Received: 04/04/2017 1004
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/05/2017 1617		
Prep Method: 200			Date Prepared: 04/05/2017 1226		
Pb	36.3 g	ug/L	1.00	1.00	1.0

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Job Number: 420-118864-1
Sdg Number: Goshen GIS

Client Sample ID: GIS 129 Sink Retest
Lab Sample ID: 420-118864-11

Date Sampled: 03/30/2017 0620
Date Received: 04/04/2017 1004
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 04/05/2017 1617		
Prep Method: 200			Date Prepared: 04/05/2017 1226		
Pb	29.3 g	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Client: Orange-Ulster BOCES

Job Number:
Sdg Number: Goshen GIS

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

Certification Information

Client: Orange-Ulster BOCES

Job Number:

Sdg Number: Goshen GIS

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), COD (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).

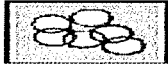
Definitions and Glossary

Client: Orange-Ulster BOCES

Job Number:

Sdg Number: Goshen GIS

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



CHAIN OF CUSTODY

118864

REPORT# (Lab Use Only)

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

PROJECT REFERENCE Goshen GIS	PROJECT NO	PROJECT LOCATION Goshen	MATRIX TYPE	REQUIRED ANALYSES										PAGE 1 of 1		
ENVIROTEST PROJECT MANAGER Debra Bayer	P.O. NUMBER	TOWN Goshen	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) D (Drinking Water) or IV (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	TURNAROUND TIME		
CLIENT (SITE) PM Jack DeGraw	CLIENT PHONE 845-781-4887	CLIENT FAX		NORMAL	Yes											
CLIENT NAME Orange-Ulster BOCES	Please Email Results to: christy.fischer@ouboces.org			QUICK												
CLIENT ADDRESS 53 Gibson Road, Goshen, NY 10924														VERBAL		

SAMPLE		SAMPLE IDENTIFICATION	G	D			NUMBER OF CONTAINERS SUBMITTED										REMARKS
DATE	TIME						1	2	3	4	5	6	7	8	9	10	
3/30/17	601	GIS Kitchen Front Was Station Sink 2 Retest	G	D			1								Lead (DW 200.8)		
3/30/17	623	GIS Gym Boys Side Office Sink Retest	G	D			1								Lead (DW 200.8)		
3/30/17	608	GIS Room 100 Sink Retest	G	D			1								Lead (DW 200.8)		
3/30/17	606	GIS Main Office Mens Bath Sink Retest	G	D			1								Lead (DW 200.8)		
3/30/17	610	GIS Rm 103 Sink Retest	G	D			1								Lead (DW 200.8)		
3/30/17	604	GIS Library School Store Sink Retest	G	D			1								Lead (DW 200.8)		
3/30/17	601	GIS Kitchen Island Prep Sink by Kettle Retest	G	D			1								Lead (DW 200.8)		
3/30/17	619	GIS 127 Sink Retest	G	D			1								Lead (DW 200.8)		
3/30/17	613	GIS Room 107 Sink Retest	G	D			1								Lead (DW 200.8)		
3/30/17	615	GIS Rm 108 Sink Retest	G	D			1								Lead (DW 200.8)		
3/30/17	620	GIS 129 Sink Retest	G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		
			G	D			1								Lead (DW 200.8)		

RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
<i>[Signature]</i>	Ouboces.	4/4/17	10 ⁰⁴				
SAMPLED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
<i>[Signature]</i>	cc	3/30/17	635				
RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	Cooler Temp(C):	LABORATORY REMARKS:	ICE (Y/N) pH CL2 Relevelled by
<i>[Signature]</i>	4/6/17	10 ⁰⁴	YES NO YES NO	19.6°C	IC#3	

420-118864-A-1
GIS Kitchen Front Was Station Sink 2 Retest
Location: Water Sample Coolers
Bottle: Other Client Container - unpreserved
Date Sampled 3/30/2017 420-1041678

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-118864-1

SDG Number: Goshen GIS

Login Number: 118864

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	19.6 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	Method doesn't 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	