

ANALYTICAL REPORT

Job Number: 420-113919-1

SDG Number: Minisink Valley CSD-Otisville Elementary

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

12/13/2016

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

Envirotest Laboratories, Inc.

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Job Narrative
420-J113919-1

Comments

Results are compared to NYSDOH 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: 420-113919-1
SDG Number: Minisink Valley CSD-Otisville 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: 420-113919-1
SDG Number: Minisink Valley CSD-Otisville Elementary

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

SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-113919-1
SDG Number: Minisink Valley CSD-Otisville Elementary

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-113919-1	124A serving line hand wass 1 sink	Drinking Water	12/02/2016 0610	12/02/2016 1048
420-113919-2	124A serving line hand wash 2 sink	Drinking Water	12/02/2016 0611	12/02/2016 1048
420-113919-3	124 Kitchen Square Pot	Drinking Water	12/02/2016 0612	12/02/2016 1048
420-113919-4	124 Kitchen Round Pot	Drinking Water	12/02/2016 0612	12/02/2016 1048
420-113919-5	124 Kitchen Center Island Sink	Drinking Water	12/02/2016 0613	12/02/2016 1048
420-113919-6	124 Kitchen hand wash #3 Sink	Drinking Water	12/02/2016 0614	12/02/2016 1048
420-113919-7	124 Kitchen hand #4 sink	Drinking Water	12/02/2016 0614	12/02/2016 1048
420-113919-8	124 Kitchen Disposable Sprayer	Drinking Water	12/02/2016 0615	12/02/2016 1048
420-113919-9	124 Kitchen Wash Sink	Drinking Water	12/02/2016 0616	12/02/2016 1048
420-113919-10	124 Kitchen Sainitized Sink	Drinking Water	12/02/2016 0617	12/02/2016 1048
420-113919-11	124 Kitchen Rinse Sink	Drinking Water	12/02/2016 0618	12/02/2016 1048
420-113919-12	124E Bathroom Sink	Drinking Water	12/02/2016 0619	12/02/2016 1048
420-113919-13	L2 sink - Boys Locker Room	Drinking Water	12/02/2016 0625	12/02/2016 1048
420-113919-14	Room 133 - Sink A (Art Room)	Drinking Water	12/02/2016 0626	12/02/2016 1048

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Job Number: 420-113919-1
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Client Sample ID: 124A serving line hand wass 1 sink
Lab Sample ID: 420-113919-1

Date Sampled: 12/02/2016 0610
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 12/08/2016 1146		
Prep Method: 200			Date Prepared: 12/08/2016 1015		
Pb	9.34	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: 124A serving line hand wash 2 sink
Lab Sample ID: 420-113919-2

Date Sampled: 12/02/2016 0611
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/08/2016 1147	
Prep Method: 200			Date Prepared:	12/08/2016 1015	
Pb	9.64	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: 124 Kitchen Square Pot
Lab Sample ID: 420-113919-3

Date Sampled: 12/02/2016 0612
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/08/2016 1148	
Prep Method: 200			Date Prepared:	12/08/2016 1015	
Pb	3.36	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: 124 Kitchen Round Pot
Lab Sample ID: 420-113919-4

Date Sampled: 12/02/2016 0612
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 12/08/2016 1148		
Prep Method: 200			Date Prepared: 12/08/2016 1015		
Pb	2.40	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: 124 Kitchen Center Island Sink
Lab Sample ID: 420-113919-5

Date Sampled: 12/02/2016 0613
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/08/2016 1149	
Prep Method: 200			Date Prepared:	12/08/2016 1015	
Pb	3.26	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: 124 Kitchen hand wash #3 Sink
Lab Sample ID: 420-113919-6

Date Sampled: 12/02/2016 0614
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/08/2016 1150	
Prep Method: 200			Date Prepared:	12/08/2016 1015	
Pb	12.6	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: 124 Kitchen hand #4 sink
Lab Sample ID: 420-113919-7

Date Sampled: 12/02/2016 0614
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/08/2016 1151	
Prep Method: 200			Date Prepared:	12/08/2016 1015	
Pb	7.45	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: 124 Kitchen Disposable Sprayer
Lab Sample ID: 420-113919-8

Date Sampled: 12/02/2016 0615
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/08/2016 1151	
Prep Method: 200			Date Prepared:	12/08/2016 1015	
Pb	8.85	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: 124 Kitchen Wash Sink
Lab Sample ID: 420-113919-9

Date Sampled: 12/02/2016 0616
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/08/2016 1152	
Prep Method: 200			Date Prepared:	12/08/2016 1015	
Pb	3.34	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: 124 Kitchen Sainitized Sink
Lab Sample ID: 420-113919-10

Date Sampled: 12/02/2016 0617
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/08/2016 1153	
Prep Method: 200			Date Prepared:	12/08/2016 1015	
Pb	2.32	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: 124 Kitchen Rinse Sink
Lab Sample ID: 420-113919-11

Date Sampled: 12/02/2016 0618
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/08/2016 1155	
Prep Method: 200			Date Prepared:	12/08/2016 1015	
Pb	3.19	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: 124E Bathroom Sink
Lab Sample ID: 420-113919-12

Date Sampled: 12/02/2016 0619
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 12/08/2016 1156		
Prep Method: 200			Date Prepared: 12/08/2016 1015		
Pb	1.32	ug/L	1.00	1.00	1.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: L2 sink - Boys Locker Room
Lab Sample ID: 420-113919-13

Date Sampled: 12/02/2016 0625
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	12/08/2016 1244	
Prep Method: 200			Date Prepared:	12/08/2016 1015	
Pb	5.44	ug/L	4.00	4.00	4.0

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Job Number: 420-113919-1
Sdg Number: Minisink Valley CSD-Otisville Elementary

Client Sample ID: Room 133 - Sink A (Art Room)
Lab Sample ID: 420-113919-14

Date Sampled: 12/02/2016 0626
Date Received: 12/02/2016 1048
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 12/08/2016 1158		
Prep Method: 200			Date Prepared: 12/08/2016 1015		
Pb	8.86	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

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

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

REPORT# (Lab Use Only)

113919

PROJECT REFERENCE Minisink Valley CSD - Otisville Element Resamples	PROJECT NO	PROJECT LOCATION	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1 of 2
ENVIROTEST PROJECT MANAGER Debra Bayer	P.O. NUMBER	TOWN	OTHER SPECIFY	Other	1
CLIENT (SITE) PM Jack DeGraw	CLIENT PHONE 845-781-4887	CLIENT FAX	SOLID OR SEMISOLID	Other	TURNAROUND TIME
CLIENT NAME Orange-Ulster BOCES	christy.fischer@oubooces.org		AQUEOUS (WATER)	250ml Plastic	NORMAL
CLIENT ADDRESS 53 Gibson Road, Goshen, NY 10924			COMPOSITE (C) OR GRAB (G) INDICATE	Liter Plastic	QUICK
COMPANY CONTRACTING THIS WORK (IF APPLICABLE)				250ml Plastic Sulfuric Acid	VERBAL

DATE	TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED								# OF COOLERS	REMARKS	
			Total # of Containers	40ml Vials HCl	Liter Amber HCl	250ml Plastic Nitric Acid	250ml Plastic Sulfuric Acid	Liter Plastic	250ml Plastic	Terra Core			Other
12/2/2016	0610	124A serving line hand wash 1 sink	1										Lead (DW 200.8)
12/2/2016	0611	124A serving line hand wash 2 sink	1										Lead (DW 200.8)
12/2/2016	0612	124 Kitchen square pot	1										Lead (DW 200.8)
12/2/2016	0612	124 Kitchen round pot	1										Lead (DW 200.8)
12/2/2016	0613	124 Kitchen center island sink	1										Lead (DW 200.8)
12/2/2016	0614	124 Kitchen hand wash #3 sink	1										Lead (DW 200.8)
12/2/2016	0614	124 Kitchen hand #4 sink	1										Lead (DW 200.8)
12/2/2016	0615	124 Kitchen Disposable Sprayer	1										Lead (DW 200.8)
12/2/2016	0616	124 Kitchen wash sink	1										Lead (DW 200.8)
12/2/2016	0617	124 Kitchen sanitized sink	1										Lead (DW 200.8)
12/2/2016	0618	124 Kitchen rinse sink	1										Lead (DW 200.8)
12/2/2016	0619	124E Bathroom sink	1										Lead (DW 200.8)
12/2/2016	0629	L2 sink - Boy's Locker Room	1										Lead (DW 200.8)

RELINQUISHED BY (SIGNATURE) <i>[Signature]</i>	COMPANY oubooces	DATE 12/2/16	TIME 10:18	RECEIVED BY (SIGNATURE)	COMP DATE
SAMPLED BY (SIGNATURE) <i>[Signature]</i>	COMPANY oubooces	DATE 12/2/16	TIME 0800	RECEIVED BY (SIGNATURE)	COMP DATE
RELINQUISHED BY (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY (SIGNATURE)	COMP DATE

RECEIVED FOR LABORATORY BY (SIGNATURE) *[Signature]* DATE **12/2/16** TIME **1048** CUSTODY INTACT YES NO
 COOLER TEMP (C) **20.0** LABORATORY REMARKS: ICE (Y/N) pH CL2 Reviewed by _____

IR#3

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-113919-1

SDG Number: Minisink Valley CSD-Otisville Elementary

Login Number: 113919

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	20.0 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	Metals analysis does not require cooling. 12/2/16 RD
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	