

ANALYTICAL REPORT

Job Number: 420-183838-1

SDG Number: Roscoe CSD Main Building K-12

Job Description: Sullivan County BOCES

For:

Sullivan County BOCES

6 Weirk Avenue

Liberty, NY 12754

Attention: Jesse Morrill



Meredith W Ruthven

Customer Service Manager

mruthven@envirotestlaboratories.com

11/02/2020

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

Envirotest Laboratories

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METHOD SUMMARY

Client: Sullivan County BOCES

Job Number: 420-183838-1
SDG Number: Roscoe CSD Main Building K-12

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 200.7/200.8

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Sullivan County BOCES

Job Number: 420-183838-1
SDG Number: Roscoe CSD Main Building K-12

Method	Analyst	Analyst ID
EPA 200.8 Rev.5.4	Luis, Carlos	CL

SAMPLE SUMMARY

Client: Sullivan County BOCES

Job Number: 420-183838-1
SDG Number: Roscoe CSD Main Building K-12

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-183838-1	Home Ec L	Drinking Water	10/23/2020 0529	10/23/2020 1503
420-183838-2	Home Ec C	Drinking Water	10/23/2020 0530	10/23/2020 1503
420-183838-3	Home Ec R	Drinking Water	10/23/2020 0531	10/23/2020 1503
420-183838-4	Ice Machine	Drinking Water	10/23/2020 0545	10/23/2020 1503
420-183838-5	Kitchen Boiling Spray	Drinking Water	10/23/2020 0536	10/23/2020 1503
420-183838-6	Kitchen Steamer	Drinking Water	10/23/2020 0539	10/23/2020 1503
420-183838-7	Kitchen Wash L	Drinking Water	10/23/2020 0537	10/23/2020 1503
420-183838-8	Kitchen Wash R	Drinking Water	10/23/2020 0537	10/23/2020 1503
420-183838-9	Kitchen Handwash	Drinking Water	10/23/2020 0535	10/23/2020 1503
420-183838-10	Ice Machine HB	Drinking Water	10/23/2020 0540	10/23/2020 1503

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Client Sample ID: Home Ec L
Lab Sample ID: 420-183838-1

Date Sampled: 10/23/2020 0529
Date Received: 10/23/2020 1503
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/27/2020 1536	
Prep Method: 200.7/200.8			Date Prepared:	10/27/2020 1000	
Pb	3.83	ug/L	1.00	1.00	1.0

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Job Number: 420-183838-1
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Client Sample ID: Home Ec C
Lab Sample ID: 420-183838-2

Date Sampled: 10/23/2020 0530
Date Received: 10/23/2020 1503
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/27/2020 1538	
Prep Method: 200.7/200.8			Date Prepared:	10/27/2020 1000	
Pb	11.8	ug/L	1.00	1.00	1.0

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Job Number: 420-183838-1
Sdg Number: Roscoe CSD Main Building K-12

Client Sample ID: Home Ec R
Lab Sample ID: 420-183838-3

Date Sampled: 10/23/2020 0531
Date Received: 10/23/2020 1503
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/27/2020 1541	
Prep Method: 200.7/200.8			Date Prepared:	10/27/2020 1000	
Pb	3.54	ug/L	1.00	1.00	1.0

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Job Number: 420-183838-1
Sdg Number: Roscoe CSD Main Building K-12

Client Sample ID: Ice Machine
Lab Sample ID: 420-183838-4

Date Sampled: 10/23/2020 0545
Date Received: 10/23/2020 1503
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/27/2020 1543	
Prep Method: 200.7/200.8			Date Prepared:	10/27/2020 1000	
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-183838-1
Sdg Number: Roscoe CSD Main Building K-12

Client Sample ID: Kitchen Boiling Spray
Lab Sample ID: 420-183838-5

Date Sampled: 10/23/2020 0536
Date Received: 10/23/2020 1503
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/27/2020 1545	
Prep Method: 200.7/200.8			Date Prepared:	10/27/2020 1000	
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-183838-1
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Client Sample ID: Kitchen Steamer
Lab Sample ID: 420-183838-6

Date Sampled: 10/23/2020 0539
Date Received: 10/23/2020 1503
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/27/2020 1549	
Prep Method: 200.7/200.8			Date Prepared:	10/27/2020 1000	
Pb	3.46	ug/L	1.00	1.00	1.0

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Job Number: 420-183838-1
Sdg Number: Roscoe CSD Main Building K-12

Client Sample ID: Kitchen Wash L
Lab Sample ID: 420-183838-7

Date Sampled: 10/23/2020 0537
Date Received: 10/23/2020 1503
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/27/2020 1551	
Prep Method: 200.7/200.8			Date Prepared:	10/27/2020 1000	
Pb	3.23	ug/L	1.00	1.00	1.0

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Job Number: 420-183838-1
Sdg Number: Roscoe CSD Main Building K-12

Client Sample ID: Kitchen Wash R
Lab Sample ID: 420-183838-8

Date Sampled: 10/23/2020 0537
Date Received: 10/23/2020 1503
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/27/2020 1553	
Prep Method: 200.7/200.8			Date Prepared:	10/27/2020 1000	
Pb	1.41	ug/L	1.00	1.00	1.0

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Job Number: 420-183838-1
Sdg Number: Roscoe CSD Main Building K-12

Client Sample ID: Kitchen Handwash
Lab Sample ID: 420-183838-9

Date Sampled: 10/23/2020 0535
Date Received: 10/23/2020 1503
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/27/2020 1555	
Prep Method: 200.7/200.8			Date Prepared:	10/27/2020 1000	
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-183838-1
Sdg Number: Roscoe CSD Main Building K-12

Client Sample ID: Ice Machine HB
Lab Sample ID: 420-183838-10

Date Sampled: 10/23/2020 0540
Date Received: 10/23/2020 1503
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 10/27/2020	1602	
Prep Method: 200.7/200.8			Date Prepared: 10/27/2020	1000	
Pb	1.00 U	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Client: Sullivan County BOCES

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Sdg Number: Roscoe CSD Main Building K-12

Lab Section	Qualifier	Description
Metals	U	The analyte was analyzed for but not detected at or above the lowest stated limit.

Certification Information

Client: Sullivan County BOCES

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The following analytes are Not Part of the ELAP scope of accreditation:

Sulfur, Tungsten, 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, Solids (Fixed), Solids (Percent), Solids (Percent Moisture), Solids (Percent Volatile), Solids (Volatile Suspended), Temperature, TKN (Soluble), COD (Soluble), Total Inorganic Carbon, 2-Aminopyridine, 3-Picoline, 1-Methyl-2-pyrrilidinone, Aziridine, Dimethyl sulfoxide, 1-Chlorohexane, 1,2,4,5-Tetramethylbenzene, 4-Ethyl toluene, p-Diethylbenzene, Iron Bacteria, Salmonella, Sulfur Reducing Bacteria, & UOD (Ultimate Oxygen Demand).

The following analytes are Not Part of ELAP Potable Water scope of accreditation:

Ammonia (SM 4500NH3G), Biochemical Oxygen Demand (SM 5210B), Chemical Oxygen Demand (EPA 410.4), Dissolved Oxygen (SM 4500 O C), TKN (351.2), Phosphorus (365.3), Nitrate-Nitrite (353.2), Setttable Solids (SM 2540F), Total Suspended Solids (SM 2540 C), m-Xylene & p-Xylene (502.2, 524), o-Xylene (502.2, 524), Sulfide (SM4500SD), Acenaphthene (525.2), Acenaphthylene (525.2), Fluoranthene (525.2), Fluorene (525.2), Phenanthrene (525.2), Anthracene (525.2), Pyrene (525.2), Benzo[a]anthracene (525.2), Benzo[b]fluoranthene (525.2), Benzo[g,h,i]perylene (525.2), Benzo[k]fluoranthene (525.2), Indeno[1,2,3-cd]pyrene (525.2), & Dibenz(a,h)anthracene (525.2). Pyridine

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: Sullivan County BOCES

Job Number:

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<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.

Chain of Custody Record

Client Information		Sampler: <u>Ryan Vogler</u>		Lab PM:		Deliverable Type: Level I, Level II, NYS ASP Cat B EDD (Specify):		JOB #: <u>183838</u>					
Client Contact: <u>Ryan Vogler</u>		Phone: <u>607-498-4126</u>		E-Mail: <u>rvogler@roscoe.k12.ny.us</u>				Page: Page 1 of 1					
Company: <u>Roscoe Central School District</u>		Due Date Requested: <u>Normal</u>		Analysis Requested Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) Chlorine Present (Yes or No) <u>200.8 Pb - Lead</u>		Total Number of containers <u>200.8 Pb - Lead</u>		Preservation Codes:					
Address: <u>6 Academy St.</u>		TAT Requested (days):						A - HCL		L - EDA			
City: <u>Roscoe</u>		Normal						B - NaOH		M - Sodium Sulfite			
State, Zip: <u>NY 12776</u>								PO #:		C - Zn Acetate		N - None	
Phone: <u>607-498-4126</u>								PWS #:		D - Nitric Acid		O - MCAA	
Email: <u>rvogler@roscoe.k12.ny.us</u>		Project #:		E - H2SO4		P - Other (specify)							
Project Name: <u>2020 Lead In Water</u>		Additional Contacts: <u>Jesse Merrill</u>						Other:					
Site: <u>Main Building K-12</u>								Upon Receipt Preservation verified: Y / N					
Sample Identification Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (DW=drinking water, W=water, S=solid, O=waste/oil)					
								Special Instructions/Note:					
Home Ec. L		10/23/20		0529		G DW		X					
Home Ec. C		10/23/20		0530		G DW		X					
Home Ec. R		10/23/20		0531		G DW		X					
Ice Machine		10/23/20		0545		G DW		X					
Kitchen Boiling Spray		10/23/20		0536		G DW		X					
Kitchen Steamer		10/23/20		0539		G DW		X					
Kitchen Wash L		10/23/20		0537		G DW		X					
Kitchen Wash R		10/23/20		0537		G DW		X					
Kitchen Handwash		10/23/20		0535		G DW		X					
Ice Machine HB		10/23/20		0540		G DW		X					
Container Code: P=Plastic, A=Amber, V=Vial, G=Glass, B=Bacteria, C=Cube, O=Other, T=Terracore, D=BOD Bottle								Container Type <u>Plastic</u>					
Size Code: 1=Liter, 2=250 mL, 3=125 mL, 4=40 mL, 5=Gallon, 6=Half Gallon, 7=Other								Container Size <u>250 ml</u>					
Preservation Added Upon Receipt:		Date:		Time:		Sample # (s):							
Manufacturer/Lot #:													
Relinquished by: <u>[Signature]</u>		Date/Time: <u>10/23/20 3:03</u>		Company: <u>SCBOLES</u>		Received by:		Date/Time:					
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:					
Relinquished by:		Date/Time:		Company:		Received by: <u>Shannon Potts</u>		Date/Time: <u>10/23/20 1503</u>					
ICE Present: <u>Δ Yes</u> <u>X No</u>		Custody Seal No.:		Custody Seals Intact: <u>18 of 19</u>		Cooler Temperature(s) °C/IR GUN #: <u>23.3</u>		11/02/2020					



420-183838-B-1
 Home Ec L
 Date Sampled: 10/23/2020 420-1572330

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Sullivan County BOCES

Job Number: 420-183838-1
SDG Number: Roscoe CSD Main Building K-12

Login Number: 183838

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	23.3 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 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	