

ANALYTICAL REPORT

Job Number: 420-182830-1

Job Description: Sullivan County BOCES

For:

Sullivan County BOCES
6 Weirk Avenue
Liberty, NY 12754

Attention: Jesse Morrill



Meredith W Ruthven
Customer Service Manager
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10/20/2020

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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: 420-182830-1

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: 420-182830-1

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

SAMPLE SUMMARY

Client: Sullivan County BOCES

Job Number: 420-182830-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-182830-1	Faculty Sink	Drinking Water	10/09/2020 0541	10/09/2020 1505
420-182830-2	Nurse Bathroom	Drinking Water	10/09/2020 0539	10/09/2020 1505
420-182830-3	210 Bottle Fill	Drinking Water	10/09/2020 0559	10/09/2020 1505
420-182830-4	230 Bottle Fill	Drinking Water	10/09/2020 0557	10/09/2020 1505
420-182830-5	CAI Bottle Fill	Drinking Water	10/09/2020 0543	10/09/2020 1505
420-182830-6	143 Bottle Fill	Drinking Water	10/09/2020 0541	10/09/2020 1505
420-182830-7	Kit Prep Sink	Drinking Water	10/09/2020 0546	10/09/2020 1505
420-182830-8	Kit Boiling Pot	Drinking Water	10/09/2020 0551	10/09/2020 1505
420-182830-9	Principal Bottle Fill	Drinking Water	10/09/2020 0537	10/09/2020 1505
420-182830-10	Gym Bottle Fill	Drinking Water	10/09/2020 0535	10/09/2020 1505

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Job Number: 420-182830-1

Client Sample ID: Faculty Sink
Lab Sample ID: 420-182830-1

Date Sampled: 10/09/2020 0541
Date Received: 10/09/2020 1505
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/14/2020 1235	
Prep Method: 200.7/200.8			Date Prepared:	10/12/2020 1300	
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-182830-1

Client Sample ID: Nurse Bathroom
Lab Sample ID: 420-182830-2

Date Sampled: 10/09/2020 0539
Date Received: 10/09/2020 1505
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 10/14/2020 1241		
Prep Method: 200.7/200.8			Date Prepared: 10/12/2020 1300		
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-182830-1

Client Sample ID: 210 Bottle Fill
Lab Sample ID: 420-182830-3

Date Sampled: 10/09/2020 0559
Date Received: 10/09/2020 1505
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 10/14/2020 1243		
Prep Method: 200.7/200.8			Date Prepared: 10/12/2020 1300		
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-182830-1

Client Sample ID: 230 Bottle Fill
Lab Sample ID: 420-182830-4

Date Sampled: 10/09/2020 0557
Date Received: 10/09/2020 1505
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 10/14/2020 1245		
Prep Method: 200.7/200.8			Date Prepared: 10/12/2020 1300		
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-182830-1

Client Sample ID: CAI Bottle Fill
Lab Sample ID: 420-182830-5

Date Sampled: 10/09/2020 0543
Date Received: 10/09/2020 1505
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 10/14/2020 1250		
Prep Method: 200.7/200.8			Date Prepared: 10/12/2020 1300		
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-182830-1

Client Sample ID: 143 Bottle Fill
Lab Sample ID: 420-182830-6

Date Sampled: 10/09/2020 0541
Date Received: 10/09/2020 1505
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4				Date Analyzed: 10/14/2020 1252	
Prep Method: 200.7/200.8				Date Prepared: 10/12/2020 1300	
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-182830-1

Client Sample ID: Kit Prep Sink
Lab Sample ID: 420-182830-7

Date Sampled: 10/09/2020 0546
Date Received: 10/09/2020 1505
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/14/2020 1254	
Prep Method: 200.7/200.8			Date Prepared:	10/12/2020 1300	
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-182830-1

Client Sample ID: Kit Boiling Pot
Lab Sample ID: 420-182830-8

Date Sampled: 10/09/2020 0551
Date Received: 10/09/2020 1505
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/14/2020 1256	
Prep Method: 200.7/200.8			Date Prepared:	10/12/2020 1300	
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-182830-1

Client Sample ID: Principal Bottle Fill
Lab Sample ID: 420-182830-9

Date Sampled: 10/09/2020 0537
Date Received: 10/09/2020 1505
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 10/14/2020 1258		
Prep Method: 200.7/200.8			Date Prepared: 10/12/2020 1300		
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-182830-1

Client Sample ID: Gym Bottle Fill
Lab Sample ID: 420-182830-10

Date Sampled: 10/09/2020 0535
Date Received: 10/09/2020 1505
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	10/16/2020 1550	
Prep Method: 200.7/200.8			Date Prepared:	10/15/2020 1000	
Pb	1.00 U	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Client: Sullivan County BOCES

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

Certification Information

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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:

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.

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Sullivan County BOCES

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Login Number: 182830

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	22.0 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	Method does not require cooling
If false, was sample received on ice within 6 hours of collection.	True	
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	