

ANALYTICAL REPORT

Job Number: 420-108520-1

SDG Number: SC BOCES

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

08/16/2016

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

METHOD SUMMARY

Client: Sullivan County BOCES

Job Number: 420-108520-1

SDG Number: SC BOCES

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: Sullivan County BOCES

Job Number: 420-108520-1
SDG Number: SC BOCES

Method	Analyst	Analyst ID
EPA 200.8 Rev.5.4	Lerro, Matthew N	MnL

SAMPLE SUMMARY

Client: Sullivan County BOCES

Job Number: 420-108520-1

SDG Number: SC BOCES

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-108520-1	AG-F1	Drinking Water	08/05/2016 1405	08/05/2016 1605
420-108520-2	AG-F2	Drinking Water	08/05/2016 1405	08/05/2016 1605
420-108520-3	AG-S1	Drinking Water	08/05/2016 1405	08/05/2016 1605
420-108520-4	AG-S2	Drinking Water	08/05/2016 1405	08/05/2016 1605
420-108520-5	Alt-F1	Drinking Water	08/05/2016 1405	08/05/2016 1605
420-108520-6	Alt-F2	Drinking Water	08/05/2016 1405	08/05/2016 1605
420-108520-7	Alt-S1	Drinking Water	08/05/2016 1405	08/05/2016 1605
420-108520-8	Alt-S2	Drinking Water	08/05/2016 1405	08/05/2016 1605

Jesse Morrill
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Job Number: 420-108520-1
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Client Sample ID: AG-F1
Lab Sample ID: 420-108520-1

Date Sampled: 08/05/2016 1405
Date Received: 08/05/2016 1605
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/14/2016 2351		
Prep Method: 200			Date Prepared: 08/13/2016 1530		
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-108520-1
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Client Sample ID: AG-F2
Lab Sample ID: 420-108520-2

Date Sampled: 08/05/2016 1405
Date Received: 08/05/2016 1605
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/15/2016 0002	
Prep Method: 200			Date Prepared:	08/13/2016 1530	
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-108520-1
Sdg Number: SC BOCES

Client Sample ID: AG-S1
Lab Sample ID: 420-108520-3

Date Sampled: 08/05/2016 1405
Date Received: 08/05/2016 1605
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/15/2016 0005		
Prep Method: 200			Date Prepared: 08/13/2016 1530		
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-108520-1
Sdg Number: SC BOCES

Client Sample ID: AG-S2
Lab Sample ID: 420-108520-4

Date Sampled: 08/05/2016 1405
Date Received: 08/05/2016 1605
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/15/2016 0009		
Prep Method: 200			Date Prepared: 08/13/2016 1600		
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-108520-1
Sdg Number: SC BOCES

Client Sample ID: Alt-F1
Lab Sample ID: 420-108520-5

Date Sampled: 08/05/2016 1405
Date Received: 08/05/2016 1605
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4				Date Analyzed: 08/15/2016 0023	
Prep Method: 200				Date Prepared: 08/13/2016 1600	
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Liberty, NY 12754

Job Number: 420-108520-1
Sdg Number: SC BOCES

Client Sample ID: Alt-F2
Lab Sample ID: 420-108520-6

Date Sampled: 08/05/2016 1405
Date Received: 08/05/2016 1605
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/15/2016 0026		
Prep Method: 200			Date Prepared: 08/13/2016 1600		
Pb	1.00 U	ug/L	1.00	1.00	1.0

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Job Number: 420-108520-1
Sdg Number: SC BOCES

Client Sample ID: Alt-S1
Lab Sample ID: 420-108520-7

Date Sampled: 08/05/2016 1405
Date Received: 08/05/2016 1605
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/15/2016 0030		
Prep Method: 200			Date Prepared: 08/13/2016 1600		
Pb	1.95	ug/L	1.00	1.00	1.0

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Job Number: 420-108520-1
Sdg Number: SC BOCES

Client Sample ID: Alt-S2
Lab Sample ID: 420-108520-8

Date Sampled: 08/05/2016 1405
Date Received: 08/05/2016 1605
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/15/2016 0034		
Prep Method: 200			Date Prepared: 08/13/2016 1600		
Pb	1.00 U	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Client: Sullivan County BOCES

Job Number:
Sdg Number: SC BOCES

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

Job Number:

Sdg Number: SC BOCES

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, Phenolphthalien 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

Client: Sullivan County BOCES

Job Number:

Sdg Number: SC BOCES

<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.

**EnviroTest
Laboratories, Inc.**

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

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108520

CUSTOMER: **SC BOCES**
ADDRESS: **6 Wink Ave**
CITY/STATE/ZIP: **Lizbeth NY 12754**
CONTACT: **Jesse Morrill (945) 295-4028**

PROJECT LOCATION: **SC BOCES**
PRJ NUMBER/P.O.#:

MATRIX: DW=DRINKING WATER S=SOIL O=OIL WW=WASTE WATER
SL=SLUDGE GW=GROUND WATER

REPORT # (Lab Use Only)

TURNAROUND

REPORT TYPE: STANDARD ISRA NJ REG NYASP A B OTHER

TURNAROUND: NORMAL QUICK VERBAL

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4C +/- 2C.

SAMPLE TEMP: **25.4** °C #1

SAMPLE RECD. ON ICE Y N

pH CHECK Y N

CHLORINE RESIDUAL Y N

NY PUBLIC WATER SUPPLIES

SOURCE ID

ELRP TYPE

FEDERAL ID

ANALYSIS REQUESTED

Lead

Total # of containers	40ml Glass HCL	Liter Glass HCL	250ml Amber H2SO4	Liter Amber Plain	250ml Plastic HNO3	250ml Plastic NaOH	Liter Plastic	Liter Plastic H2SO4	250ml Plastic	125ml Plastic Sterile	8oz Glass	2oz Glass	250ml Pl. NaOH/Znacc
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Sample # DATE TIME MATRIX Client I.D.

COMP (Y/N) GRAB (Y/N)

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE ENVIROTEST TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELIEQUISHED BY	Jesse Morrill	SC BOCES	8/5/16	1605	RECEIVED BY				
SAMPLED BY	Jesse Morrill	SC BOCES	8/5/16	1405	RECEIVED BY				
RELIEQUISHED BY					RECEIVED BY	JMorrill	ETC	8/5/16	1605

COMMENTS

SCBOCES

108520

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Sample #	Date	Time	Matrix	Client ID	250 ml HNO3	Analysis Requested
AG-F1	8/5/16	2:05				Lead
AG-F2						
AG-S1						
AG-S2						
ALT-F1						
ALT-F2						
ALT-S1						
ALT-S2						

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Sullivan County BOCES

Job Number: 420-108520-1

SDG Number: SC BOCES

Login Number: 108520

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	25.4 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. AE 8/8/16
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	