

ANALYTICAL REPORT

Job Number: 420-110986-1 SDG Number: Fallsburg Elementary Job Description: Sullivan County BOCES

> For: Sullivan County BOCES 6 Weirk Avenue Liberty, NY 12754

Attention: Jesse Morrill

Meredith Ruthven

Meredith W Ruthven Customer Service Manager mruthven@envirotestlaboratories.com 10/10/2016

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



METHOD SUMMARY

Client: Sullivan County BOCES

Job Number: 420-110986-1 SDG Number: Fallsburg Elementary

Lab Location	Method	Preparation Method
EnvTest	EPA 200.8 Re	v.5.4
EnvTest		EPA 200
	EnvTest	EnvTest EPA 200.8 Re

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Sullivan County BOCES

Job Number: 420-110986-1 SDG Number: Fallsburg Elementary

Method

EPA 200.8 Rev.5.4

Sirico, Derek

Analyst

Client: Sullivan County BOCES

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
	•			
420-110986-1	GB-S1	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-2	GB-S2	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-3	GB-S3	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-4	GB-S4	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-5	BB-S1	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-6	BB-S2	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-7	BB-S3	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-8	HB-1	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-9	BB2-S1	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-10	BB2-S2	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-11	GB2-S1	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-12	GB2-S2	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-13	GB5-S1	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-14	GB5-S2	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-15	GB5-S3	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-16	GB5-S4	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-17	BB5-S1	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-18	BB5-S2	Drinking Water	09/28/2016 0715	09/28/2016 1535
420-110986-19	BB5-S3	Drinking Water	09/28/2016 0715	09/28/2016 1535

Client Sample ID: Lab Sample ID:	GB-S1 420-110986-1		Date Sa Date Re Client M	eceived:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	2.65	Date Analy Date Prepa ug/L		10/08/2016 1331 10/06/2016 1620 1.00	1.0

Client Sample ID: Lab Sample ID:	GB-S2 420-110986-2			Date	Sampled: Received: ht Matrix:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qua	alifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.00	U	Date An Date Pro ug/L	,	10/08/2016 1334 10/06/2016 1620 1.00	1.0

Client Sample ID: Lab Sample ID:	GB-S3 420-110986-3		Date Sampl Date Receiv Client Matrix	ed: 09/28/2016 1535	
Analyte		Result/Qualifier	Unit	RL RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	4.25	Date Analyzed: Date Prepared: ug/L		1.0

Client Sample ID: Lab Sample ID:	GB-S4 420-110986-4		Date F	Sampled: Received: Matrix:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	5.77	Date Ana Date Prej ug/L	5	10/08/2016 1341 10/06/2016 1620 1.00	1.0

Client Sample ID: Lab Sample ID:	BB-S1 420-110986-5		Date	Sampled: Received: t Matrix:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	2.88	Date Ana Date Pre ug/L	5	10/08/2016 1345 10/06/2016 1620 1.00	1.0

Client Sample ID: Lab Sample ID:	BB-S2 420-110986-6			Date Sampled: 09/28/2016 0715 Date Received: 09/28/2016 1535 Client Matrix: Drinking Water				
Analyte		Result/Qua	alifier	Unit	RL	RL	Dilution	
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.00	U	Date An Date Pro ug/L	5	10/08/2016 1348 10/06/2016 1620 1.00	1.0	

Client Sample ID: Lab Sample ID:			Date Sampled: 09/28/2016 071 Date Received: 09/28/2016 153 Client Matrix: Drinking Water				
Analyte		Result/Qua	lifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.00	U	Date An Date Pre ug/L		10/08/2016 1352 10/06/2016 1620 1.00	1.0

Client Sample ID: Lab Sample ID:			Date	Sampled: Received: t Matrix:	09/28/2016 0715 09/28/2016 1535 Drinking Water		
Analyte		Result/Qua	llifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	35.3	g	Date Ana Date Pre ug/L	,	10/08/2016 1355 10/06/2016 1620 1.00	1.0

Client Sample ID: Lab Sample ID:	BB2-S1 420-110986-9			Date	Sampled: Received: nt Matrix:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qua	alifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.00	U	Date An Date Pr ug/L	,	10/08/2016 1406 10/06/2016 1620 1.00	1.0

Client Sample ID: Lab Sample ID:	BB2-S2 420-110986-10			Date Sampled: Date Received: Client Matrix:		09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qua	alifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.00	U	Date An Date Pre ug/L	,	10/08/2016 1409 10/06/2016 1620 1.00	1.0

Client Sample ID: Lab Sample ID:	GB2-S1 420-110986-11			Date	Sampled: Received: t Matrix:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qua	alifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.00	U	Date Ana Date Pre ug/L	,	10/08/2016 1413 10/06/2016 1620 1.00	1.0

Client Sample ID: Lab Sample ID:	GB2-S2 420-110986-12			Date	Sampled: Received: t Matrix:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qua	alifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.00	U	Date An Date Pre ug/L	5	10/08/2016 1416 10/06/2016 1620 1.00	1.0

Client Sample ID: Lab Sample ID:	GB5-S1 420-110986-13		Date Sa Date Re Client M	ceived:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.75	Date Analyz Date Prepa ug/L		10/08/2016 1420 10/06/2016 1620 1.00	1.0

Client Sample ID: Lab Sample ID:	GB5-S2 420-110986-14			Date	Sampled: Received: at Matrix:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qua	alifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.00	U	Date An Date Pro ug/L	,	10/08/2016 1423 10/06/2016 1640 1.00	1.0

Client Sample ID: Lab Sample ID:	GB5-S3 420-110986-15			ampled: eceived: latrix:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.15	Date Analy Date Prepa ug/L		10/08/2016 1437 10/06/2016 1640 1.00	1.0

Client Sample ID: Lab Sample ID:	GB5-S4 420-110986-16		Date F	ampled: Received: Matrix:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.78	Date Anal Date Prep ug/L	,	10/08/2016 1448 10/06/2016 1640 1.00	1.0

Client Sample ID: Lab Sample ID:	BB5-S1 420-110986-17			Date	Sampled: Received: t Matrix:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qua	llifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	29.1	g	Date Ana Date Pre ug/L	,	10/08/2016 1452 10/06/2016 1640 1.00	1.0

Client Sample ID: Lab Sample ID:	BB5-S2 420-110986-18		Date Sa Date Re Client M	eceived:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.92	Date Analy Date Prepa ug/L		10/08/2016 1455 10/06/2016 1640 1.00	1.0

Client Sample ID: Lab Sample ID:	BB5-S3 420-110986-19		Date Sa Date Re Client M	ceived:	09/28/2016 0715 09/28/2016 1535 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Pb	5.4	1.75	Date Analyz Date Prepa ug/L		10/08/2016 1459 10/06/2016 1640 1.00	1.0

DATA REPORTING QUALIFIERS

Client: Sullivan County BOCES

Job Number: Sdg Number: Fallsburg Elementary

Lab Section	Qualifier	Description
Metals		
INICIAIS		
	g	Result fails applicable NYS drinking water standards
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.

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, Phenolpthalien 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).

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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.

110986

	Sample #	Date	Time	AREA	250 ml HNO3	Analysis Requested
۱	GB-S1	9/28/16	7:15 AM	1 ST GRADE GIRLS BATH SINK-LEFT		LEAD
2	GB-S2	1	1	1 ST GRADE GIRLS BATH SINK-LEFT MID		
3	GB-S3			1 ST GRADE GIRLS BATH SINK-RIGHT MID		
1	GB-S4			1 ST GRADE GIRLS BATH SINK-RIGHT		
5	BB-S1			1 ST GRADE BOYS BATH SINK-LEFT		
6	BB-S2			1 ST GRADE BOYS BATH SINK-MID		
7	BB-S3			1 ST GRADE BOYS BATH SINK-RIGHT		
8	HB-1			HOSE BIB OUTSIDE ROOM #3		
9	BB2-S1			2 ND GRADE BOYS BATH SINK-LEFT		
0	BB2-S2			2 ND GRADE BOYS BATH SINK-RIGHT		
I	GB2-S1			2 ND GRADE GIRLS BATH SINK-LEFT		
12	GB2-S2			2 ND GRADE GIRLS BATH SINK-RIGHT		
13	GB5-S1			5 TH GRADE GIRLS BATH SINK-LEFT		
4	GB5-S2			5 TH GRADE GIRLS BATH SINK-LEFT MID		
Ś	GB5-S3			5 TH GRADE GIRLS BATH SINK-RIGHT MID		
6				5 TH GRADE GIRLS BATH SINK-RIGHT		
7	BB5-S1			5 TH GRADE BOYS BATH SINK-LEFT		
8	BB5-S2			5 TH GRADE BOYS BATH SINK-MID		
L	BB5-S3	–	L	5 TH GRADE BOYS BATH SINK-RIGHT		
	SAMPLED BY: RELINQUISHEI RECEITED	D BY:	Mare More	DATE: 9/22 DATE: 9/22 DATE: 9/23 ETC 9/28/16 1535	16 1	కెచ

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Sullivan County BOCES

Job Number: 420-110986-1 SDG Number: Fallsburg Elementary

Login Number: 110986

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 $$	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	