

## **ANALYTICAL REPORT**

Job Number: 420-108518-1

SDG Number: Monticello - Duggan

Job Description: Sullivan County BOCES

For:

Sullivan County BOCES

6 Weirk Avenue

Liberty, NY 12754

Attention: Jesse Morrill



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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: 420-108518-1  
SDG Number: Monticello - Duggan

<b>Description</b>	<b>Lab Location</b>	<b>Method</b>	<b>Preparation Method</b>
<b>Matrix: Water</b>			
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: 420-108518-1  
SDG Number: Monticello - Duggan

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
EPA 200.8 Rev.5.4	Lerro, Matthew N	MnL

## SAMPLE SUMMARY

Client: Sullivan County BOCES

Job Number: 420-108518-1  
SDG Number: Monticello - Duggan

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
420-108518-1	OFF-F1	Drinking Water	08/05/2016 1240	08/05/2016 1605
420-108518-2	OFF-F2	Drinking Water	08/05/2016 1240	08/05/2016 1605
420-108518-3	111-F1	Drinking Water	08/05/2016 1240	08/05/2016 1605
420-108518-4	111-F2	Drinking Water	08/05/2016 1240	08/05/2016 1605
420-108518-5	108-F1	Drinking Water	08/05/2016 1240	08/05/2016 1605
420-108518-6	108-F2	Drinking Water	08/05/2016 1240	08/05/2016 1605
420-108518-7	115-F1	Drinking Water	08/05/2016 1240	08/05/2016 1605
420-108518-8	115-F2	Drinking Water	08/05/2016 1240	08/05/2016 1605
420-108518-9	210-F1	Drinking Water	08/05/2016 1240	08/05/2016 1605
420-108518-10	210-F2	Drinking Water	08/05/2016 1240	08/05/2016 1605
420-108518-11	Kit-S1	Drinking Water	08/05/2016 1240	08/05/2016 1605
420-108518-12	Kit-S2	Drinking Water	08/05/2016 1240	08/05/2016 1605

Jesse Morrill  
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Job Number: 420-108518-1  
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**Client Sample ID:** OFF-F1  
**Lab Sample ID:** 420-108518-1

Date Sampled: 08/05/2016 1240  
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 2047		
Prep Method: 200			Date Prepared: 08/13/2016 1430		
Pb	2.95	ug/L	1.00	1.00	1.0

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Job Number: 420-108518-1  
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**Client Sample ID:** OFF-F2  
**Lab Sample ID:** 420-108518-2

Date Sampled: 08/05/2016 1240  
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 2051		
Prep Method: 200			Date Prepared: 08/12/2016 1500		
Pb	4.10	ug/L	1.00	1.00	1.0

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Job Number: 420-108518-1  
Sdg Number: Monticello - Duggan

**Client Sample ID:** 111-F1  
**Lab Sample ID:** 420-108518-3

Date Sampled: 08/05/2016 1240  
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 2112		
Prep Method: 200			Date Prepared: 08/12/2016 1500		
Pb	11.7	ug/L	1.00	1.00	1.0

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Job Number: 420-108518-1  
Sdg Number: Monticello - Duggan

**Client Sample ID:** 111-F2  
**Lab Sample ID:** 420-108518-4

Date Sampled: 08/05/2016 1240  
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 2115		
Prep Method: 200			Date Prepared: 08/12/2016 1500		
Pb	5.47	ug/L	1.00	1.00	1.0



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Job Number: 420-108518-1  
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**Client Sample ID:** 108-F1  
**Lab Sample ID:** 420-108518-5

Date Sampled: 08/05/2016 1240  
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 2119		
Prep Method: 200			Date Prepared: 08/12/2016 1500		
Pb	29.1 g	ug/L	1.00	1.00	1.0

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Job Number: 420-108518-1  
Sdg Number: Monticello - Duggan

**Client Sample ID:** 108-F2  
**Lab Sample ID:** 420-108518-6

Date Sampled: 08/05/2016 1240  
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 2122		
Prep Method: 200			Date Prepared: 08/12/2016 1500		
Pb	5.66	ug/L	1.00	1.00	1.0

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Job Number: 420-108518-1  
Sdg Number: Monticello - Duggan

**Client Sample ID:** 115-F1  
**Lab Sample ID:** 420-108518-7

Date Sampled: 08/05/2016 1240  
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 2126		
Prep Method: 200			Date Prepared: 08/12/2016 1500		
Pb	6.98	ug/L	1.00	1.00	1.0

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Job Number: 420-108518-1  
Sdg Number: Monticello - Duggan

**Client Sample ID:** 115-F2  
**Lab Sample ID:** 420-108518-8

Date Sampled: 08/05/2016 1240  
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 2129		
Prep Method: 200			Date Prepared: 08/12/2016 1500		
Pb	3.90	ug/L	1.00	1.00	1.0

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Job Number: 420-108518-1  
Sdg Number: Monticello - Duggan

**Client Sample ID:** 210-F1  
**Lab Sample ID:** 420-108518-9

Date Sampled: 08/05/2016 1240  
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 2133		
Prep Method: 200			Date Prepared: 08/12/2016 1500		
Pb	9.46	ug/L	1.00	1.00	1.0

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Job Number: 420-108518-1  
Sdg Number: Monticello - Duggan

**Client Sample ID:** 210-F2  
**Lab Sample ID:** 420-108518-10

Date Sampled: 08/05/2016 1240  
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 2137		
Prep Method: 200			Date Prepared: 08/12/2016 1500		
Pb	7.73	ug/L	1.00	1.00	1.0

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Job Number: 420-108518-1  
Sdg Number: Monticello - Duggan

**Client Sample ID:** Kit-S1  
**Lab Sample ID:** 420-108518-11

Date Sampled: 08/05/2016 1240  
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 2140		
Prep Method: 200			Date Prepared: 08/12/2016 1500		
Pb	21.2 g	ug/L	1.00	1.00	1.0

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Job Number: 420-108518-1  
Sdg Number: Monticello - Duggan

**Client Sample ID:** Kit-S2  
**Lab Sample ID:** 420-108518-12

Date Sampled: 08/05/2016 1240  
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	2144	
Prep Method: 200			Date Prepared: 08/12/2016	1500	
Pb	9.00	ug/L	1.00	1.00	1.0



## DATA REPORTING QUALIFIERS

Client: Sullivan County BOCES

Job Number:  
Sdg Number: Monticello - Duggan

<b>Lab Section</b>	<b>Qualifier</b>	<b>Description</b>
Metals	g	Result fails applicable NYS drinking water standards

## Certification Information

Client: Sullivan County BOCES

Job Number:

Sdg Number: Monticello - Duggan

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**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: Monticello - Duggan

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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.

1 of 2

108518

# EnviroTest Laboratories, Inc.

## CHAIN OF CUSTODY

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

CUSTOMER SCBOGES  
 ADDRESS 6 Wark Ave.  
L. Berth NY 12734  
 CITY/STATE/ZIP  
 CONTACT Jesse Morrill (845) 295-4428  
 PROJECT LOCATION Mouthie/b - Duggan  
 PRJ NUMBER/P.O.#

REPORT TYPE  
 STANDARD  ISRA  
 NJ REG  A  B  
 NYASP  OTHER

TURNAROUND  
 NORMAL  
 QUICK  
 VERBAL

REPORT # (Lab Use Only)

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

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

Sample #	DATE	TIME	COMP (Y/N)	GRAB (Y/N)	MATRIX	Client I.D.
OFF-F1	8/5/16	12:40				
OFF-F2						
111-F1						
111-F2						
115-F1						
115-F2						
108-F1						
108-F2						
210-F1						
210-F2						

ANALYSIS REQUESTED  
Lead

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

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Jesse Morrill	SCBOGES	8/5/16	1605				
Jesse Morrill	SCBOGES	8/5/16	1740				
				J. Morrill etc		8/5/16	1605

COMMENTS

low < 115-F1  
flow

Monticello - Duggan

108518

2 of 2

Sample #	Date	Time	Matrix	Client ID	250 ml HNO3	Analysis Requested
kit-51						↓
kit-52						

## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Sullivan County BOCES

Job Number: 420-108518-1  
SDG Number: Monticello - Duggan

**Login Number: 108518**

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	