

ANALYTICAL REPORT

Job Number: 420-200633-1

SDG Number: Monroe Woodbury CSD Sapphire ES

Job Description: Orange-Ulster BOCES

For:
Orange-Ulster BOCES
53 Gibson Road
Goshen, NY 10924

Attention: Jack DeGraw



Designee for
Meredith W Ruthven
Customer Service Manager
mruthven@envirotestlaboratories.com
08/20/2021

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

METHOD SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-200633-1
SDG Number: Monroe Woodbury CSD Sapphire ES

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: Orange-Ulster BOCES

Job Number: 420-200633-1
SDG Number: Monroe Woodbury CSD Sapphire ES

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

SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-200633-1
SDG Number: Monroe Woodbury CSD Sapphire ES

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-200633-1	Room 111 Teachers KS	Drinking Water	06/23/2021 0559	06/24/2021 1257
420-200633-2	Room 111A BS	Drinking Water	06/23/2021 0601	06/24/2021 1257
420-200633-3	Room 115 BS	Drinking Water	06/23/2021 0603	06/24/2021 1257
420-200633-4	Room 104 BS	Drinking Water	06/23/2021 0605	06/24/2021 1257
420-200633-5	Room 102 BS	Drinking Water	06/23/2021 0607	06/24/2021 1257
420-200633-6	Room 101 BS	Drinking Water	06/23/2021 0609	06/24/2021 1257
420-200633-7	Room 100B Boys BS	Drinking Water	06/23/2021 0611	06/24/2021 1257
420-200633-8	Room 100 E Girls BS	Drinking Water	06/23/2021 0613	06/24/2021 1257
420-200633-9	Room 122 BS	Drinking Water	06/23/2021 0617	06/24/2021 1257
420-200633-10	Room 12 CS	Drinking Water	06/23/2021 0618	06/24/2021 1257
420-200633-11	Nurse's BS	Drinking Water	06/23/2021 0620	06/24/2021 1257
420-200633-12	Room 213B BS 1	Drinking Water	06/23/2021 0623	06/24/2021 1257
420-200633-13	Room 213B BS 2	Drinking Water	06/23/2021 0624	06/24/2021 1257
420-200633-14	Room 207 CS	Drinking Water	06/23/2021 0627	06/24/2021 1257
420-200633-15	Room 204 CS	Drinking Water	06/23/2021 0631	06/24/2021 1257
420-200633-16	Room 203 CS	Drinking Water	06/23/2021 0633	06/24/2021 1257
420-200633-17	Room 205 BS	Drinking Water	06/23/2021 0639	06/24/2021 1257

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Job Number: 420-200633-1
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Client Sample ID: Room 111 Teachers KS
Lab Sample ID: 420-200633-1

Date Sampled: 06/23/2021 0559
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/14/2021 1540	
Prep Method: 200.7/200.8			Date Prepared:	08/11/2021 1200	
Pb	4.55	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 111A BS
Lab Sample ID: 420-200633-2

Date Sampled: 06/23/2021 0601
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/14/2021 1549	
Prep Method: 200.7/200.8			Date Prepared:	08/11/2021 1200	
Pb	30.8 g	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 115 BS
Lab Sample ID: 420-200633-3

Date Sampled: 06/23/2021 0603
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/14/2021 1551	
Prep Method: 200.7/200.8			Date Prepared:	08/11/2021 1200	
Pb	18.6 g	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 104 BS
Lab Sample ID: 420-200633-4

Date Sampled: 06/23/2021 0605
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/14/2021	1554	
Prep Method: 200.7/200.8			Date Prepared: 08/11/2021	1200	
Pb	11.7	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 102 BS
Lab Sample ID: 420-200633-5

Date Sampled: 06/23/2021 0607
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/14/2021 1556	
Prep Method: 200.7/200.8			Date Prepared:	08/11/2021 1200	
Pb	5.90	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 101 BS
Lab Sample ID: 420-200633-6

Date Sampled: 06/23/2021 0609
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/14/2021	1602	
Prep Method: 200.7/200.8			Date Prepared: 08/11/2021	1200	
Pb	16.5 g	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 100B Boys BS
Lab Sample ID: 420-200633-7

Date Sampled: 06/23/2021 0611
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/14/2021	1604	
Prep Method: 200.7/200.8			Date Prepared: 08/11/2021	1200	
Pb	8.19	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 100 E Girls BS
Lab Sample ID: 420-200633-8

Date Sampled: 06/23/2021 0613
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/14/2021 1607	
Prep Method: 200.7/200.8			Date Prepared:	08/11/2021 1200	
Pb	7.93	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 122 BS
Lab Sample ID: 420-200633-9

Date Sampled: 06/23/2021 0617
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/14/2021	1609	
Prep Method: 200.7/200.8			Date Prepared: 08/11/2021	1200	
Pb	35.0 g	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 12 CS
Lab Sample ID: 420-200633-10

Date Sampled: 06/23/2021 0618
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/14/2021 1611	
Prep Method: 200.7/200.8			Date Prepared:	08/11/2021 1200	
Pb	11.3	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Nurse's BS
Lab Sample ID: 420-200633-11

Date Sampled: 06/23/2021 0620
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/14/2021	1613	
Prep Method: 200.7/200.8			Date Prepared: 08/11/2021	1200	
Pb	14.7	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 213B BS 1
Lab Sample ID: 420-200633-12

Date Sampled: 06/23/2021 0623
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/14/2021 1618	
Prep Method: 200.7/200.8			Date Prepared:	08/11/2021 1200	
Pb	11.9	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 213B BS 2
Lab Sample ID: 420-200633-13

Date Sampled: 06/23/2021 0624
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/14/2021	1620	
Prep Method: 200.7/200.8			Date Prepared: 08/11/2021	1200	
Pb	18.7 g	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 207 CS
Lab Sample ID: 420-200633-14

Date Sampled: 06/23/2021 0627
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/14/2021 1622	
Prep Method: 200.7/200.8			Date Prepared:	08/11/2021 1200	
Pb	9.47	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 204 CS
Lab Sample ID: 420-200633-15

Date Sampled: 06/23/2021 0631
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/14/2021	1629	
Prep Method: 200.7/200.8			Date Prepared: 08/11/2021	1200	
Pb	5.48	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 203 CS
Lab Sample ID: 420-200633-16

Date Sampled: 06/23/2021 0633
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/14/2021 1631	
Prep Method: 200.7/200.8			Date Prepared:	08/11/2021 1200	
Pb	15.7 g	ug/L	1.00	1.00	1.0

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Job Number: 420-200633-1
Sdg Number: Monroe Woodbury CSD Sapphire ES

Client Sample ID: Room 205 BS
Lab Sample ID: 420-200633-17

Date Sampled: 06/23/2021 0639
Date Received: 06/24/2021 1257
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed: 08/18/2021 2059		
Prep Method: 200.7/200.8			Date Prepared: 08/13/2021 1130		
Pb	315 g	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Client: Orange-Ulster BOCES

Job Number:
Sdg Number: Monroe Woodbury CSD Sapphire ES

Lab Section	Qualifier	Description
Metals	g	Result fails applicable NYS drinking water standards

Certification Information

Client: Orange-Ulster BOCES

Job Number:

Sdg Number: Monroe Woodbury CSD Sapphire ES

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: Orange-Ulster BOCES


Job Number:

Sdg Number: Monroe Woodbury CSD Sapphire ES

<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 Client Contact: Kevin Flynn	Sampler: J DeCrow Phone: 845-781-4887	Lab PM: E-Mail: joseph.russo@ouboces.org Halina.redner@ouboces.org Maureen.doherty@ouboces.org	Deliverable Type: Level I, Level II, NYS ASP Cat B EDD (Specify):	JOB #: 200633
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Company: Orange-Ulster BOCES Address: 53 Gibson Road City: Goshen State, Zip: NY, 10924 Phone: 845-781-4887 Email: joseph.russo@ouboces.org Halina.redner@ouboces.org Maureen.doherty@ouboces.org	Due Date Requested: Standard Turn-Around TAT Requested (days): PO #: PWS #: Project #: Additional Contacts:	Analysis Requested  420-200633-B-1 Room 111 Teachers KS Date Sampled: 6/23/2021 420-1723088	Page: Page 1 of 2 Preservation Codes: A - HCL L- EDA M B - NaOH - Sodium Sulfite C - Zn Acetate N - None D - Nitric Acid O - MCAA E - H2SO4 P - Other (specify) F - MeOH G - NH4CL H - Ascorbic Acid I - Ice J - DI Water K - Sodium Thiosulfate Other: D-Nitric Acid Upon Receipt Preservation verified: Y / N
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Sample Date	Sample Time	Sample Identification	Client ID (Lab ID)	Sample Type (C=Comp, G=grab)	Matrix (DW=drinking water, W=water, S=solid, O=waste/soil)	Field Filtered Sample (Y)	Perform MS/MSD (Yes)	Chlorine Present (Yes)	Lead	Total Number of Containers	Special Instructions/Note:
6/23/21	5:59	Room 111 Teachers KS		G	DW				1	1	
6/23/21	6:01	Room 111A BS		G	DW				1	1	
6/23/21	6:03	Room 115 BS		G	DW				1	1	
6/23/21	6:05	Room 104 BS		G	DW				1	1	
6/23/21	6:07	Room 102 BS		G	DW				1	1	
6/23/21	6:09	Room 101 BS		G	DW				1	1	
6/23/21	6:11	Room 100B Boys BS		G	DW				1	1	
6/23/21	6:13	Room 100 E Girls BS		G	DW				1	1	
6/23/21	6:17	Room 122 BS		G	DW				1	1	
6/23/21	6:18	Room 12 CS		G	DW				1	1	
6/23/21	6:20	Nurse's BS		G	DW				1	1	
6/23/21	6:23	Room 213B BS 1		G	DW				1	1	
6/23/21	6:24	Room 213 B BS 2		G	DW				1	1	
6/23/21	6:27	Room 207 CS		G	DW				1	1	
6/23/21	6:31	Room 204 CS		G	DW				1	1	

Container Code: P=Plastic, A=Amber, V=Vial, G=Glass, B=Bacteria, C=Cube, O=Other, T=Terracore, D=BOD Bottle		P		Container Type	
Preservation Added Upon Receipt:	Manufacturer/I of #:	Date:	Time:	Sample # (s):	
Relinquished by: <i>[Signature]</i>	Date/Time: 6/24/21 12:57	Company: OUBOCES	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by: <i>[Signature]</i>	Date/Time: 6/24/21 1257	Company: ETL
ICE Present: 10	Custody Seal No.:	Custody Seals Intact: Δ	Cooler Temperature(s) °C/IR GUN #:	26.22	

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-200633-1

SDG Number: Monroe Woodbury CSD Sapphire ES

Login Number: 200633

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	26.2 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	