

ANALYTICAL REPORT

Job Number: 420-204881-1

SDG Number: New Paltz High School

Job Description: Ulster BOCES

For:
Ulster BOCES
175 Route 32 North
New Paltz, NY 12561

Attention: Christy Fischer



Designee for
Meredith W Ruthven
Customer Service Manager
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08/30/2021

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METHOD SUMMARY

Client: Ulster BOCES

Job Number: 420-204881-1
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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: Ulster BOCES

Job Number: 420-204881-1
SDG Number: New Paltz High School

Method	Analyst	Analyst ID
EPA 200.8 Rev.5.4	Makara, Anna	AM

SAMPLE SUMMARY

Client: Ulster BOCES

Job Number: 420-204881-1
SDG Number: New Paltz High School

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-204881-1	216W Sink 1	Drinking Water	08/24/2021 0705	08/24/2021 1035
420-204881-2	Room 103 Sink 1	Drinking Water	08/24/2021 0655	08/24/2021 1035
420-204881-3	Room 103 Sink 2	Drinking Water	08/24/2021 0656	08/24/2021 1035
420-204881-4	Boy's Locker Room sink 1	Drinking Water	08/24/2021 0659	08/24/2021 1035
420-204881-5	216M Sink 2	Drinking Water	08/24/2021 0702	08/24/2021 1035
420-204881-6	216M Sink 3	Drinking Water	08/24/2021 0704	08/24/2021 1035
420-204881-7	Room 180 sink	Drinking Water	08/24/2021 0652	08/24/2021 1035

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Client Sample ID: 216W Sink 1
Lab Sample ID: 420-204881-1

Date Sampled: 08/24/2021 0705
Date Received: 08/24/2021 1035
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/27/2021 1716	
Prep Method: 200.7/200.8			Date Prepared:	08/25/2021 0958	
Pb	3.9	ug/L	1.0	1.0	1.0

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Client Sample ID: Room 103 Sink 1
Lab Sample ID: 420-204881-2

Date Sampled: 08/24/2021 0655
Date Received: 08/24/2021 1035
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/27/2021 1724	
Prep Method: 200.7/200.8			Date Prepared:	08/25/2021 0958	
Pb	22	g	ug/L	1.0	1.0

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Job Number: 420-204881-1
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Client Sample ID: Room 103 Sink 2
Lab Sample ID: 420-204881-3

Date Sampled: 08/24/2021 0656
Date Received: 08/24/2021 1035
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/27/2021 1727	
Prep Method: 200.7/200.8			Date Prepared:	08/25/2021 0958	
Pb	18	g	ug/L	1.0	1.0

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Client Sample ID: Boy's Locker Room sink 1
Lab Sample ID: 420-204881-4

Date Sampled: 08/24/2021 0659
Date Received: 08/24/2021 1035
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/27/2021 1729	
Prep Method: 200.7/200.8			Date Prepared:	08/25/2021 0958	
Pb	9.4	ug/L	1.0	1.0	1.0

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Client Sample ID: 216M Sink 2
Lab Sample ID: 420-204881-5

Date Sampled: 08/24/2021 0702
Date Received: 08/24/2021 1035
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/27/2021 1731	
Prep Method: 200.7/200.8			Date Prepared:	08/25/2021 0958	
Pb	8.9	ug/L	1.0	1.0	1.0

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Client Sample ID: 216M Sink 3
Lab Sample ID: 420-204881-6

Date Sampled: 08/24/2021 0704
Date Received: 08/24/2021 1035
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/27/2021 1733	
Prep Method: 200.7/200.8			Date Prepared:	08/25/2021 0958	
Pb	8.7	ug/L	1.0	1.0	1.0

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Job Number: 420-204881-1
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Client Sample ID: Room 180 sink
Lab Sample ID: 420-204881-7

Date Sampled: 08/24/2021 0652
Date Received: 08/24/2021 1035
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Analyzed:	08/27/2021 1735	
Prep Method: 200.7/200.8			Date Prepared:	08/25/2021 0958	
Pb	25 g	ug/L	1.0	1.0	1.0

DATA REPORTING QUALIFIERS

Client: Ulster BOCES

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

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: Ulster BOCES

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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.

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Ulster BOCES

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Login Number: 204881

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	25.6C
Cooler Temp. is within method specified range.(0-4 C PW, 0-6 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 chilled samples
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	