

**ANALYTICAL REPORT**

Job Number: 420-113922-1

SDG Number: Minisink Valley CSD- Elemen/Intermed.

Job Description: Orange-Ulster BOCES

For:

Orange-Ulster BOCES

53 Gibson Road

Goshen, NY 10924

Attention: Jack DeGraw



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Meredith W Ruthven

Customer Service Manager

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12/13/2016

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

**Envirotest Laboratories, Inc.**

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**Job Narrative**  
**420-J113922-1**

**Comments**

Results are compared to NYSDOH drinking water standards other federal regulations may apply.

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**Metals**

No analytical or quality issues were noted.

## METHOD SUMMARY

Client: Orange-Ulster BOCES

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| <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: Orange-Ulster BOCES

Job Number: 420-113922-1  
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| <b>Method</b>     | <b>Analyst</b> | <b>Analyst ID</b> |
|-------------------|----------------|-------------------|
| EPA 200.8 Rev.5.4 | Sirico, Derek  | DS                |

## SAMPLE SUMMARY

Client: Orange-Ulster BOCES

Job Number: 420-113922-1  
SDG Number: Minisink Valley CSD- Elemen/Intermed.

| <b>Lab Sample ID</b> | <b>Client Sample ID</b> | <b>Client Matrix</b> | <b>Date/Time<br/>Sampled</b> | <b>Date/Time<br/>Received</b> |
|----------------------|-------------------------|----------------------|------------------------------|-------------------------------|
| 420-113922-1         | Room 30 Water Fountain  | Drinking Water       | 12/02/2016 0654              | 12/02/2016 1048               |
| 420-113922-2         | Room 35 Sink            | Drinking Water       | 12/02/2016 0657              | 12/02/2016 1048               |

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Job Number: 420-113922-1  
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**Client Sample ID:** Room 30 Water Fountain  
**Lab Sample ID:** 420-113922-1

Date Sampled: 12/02/2016 0654  
Date Received: 12/02/2016 1048  
Client Matrix: Drinking Water

| Analyte               | Result/Qualifier | Unit | RL                             | RL   | Dilution |
|-----------------------|------------------|------|--------------------------------|------|----------|
| Method: 200.8 Rev.5.4 |                  |      | Date Analyzed: 12/07/2016 1832 |      |          |
| Prep Method: 200      |                  |      | Date Prepared: 12/07/2016 1410 |      |          |
| Pb                    | 9.65             | ug/L | 1.00                           | 1.00 | 1.0      |

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**Client Sample ID:** Room 35 Sink  
**Lab Sample ID:** 420-113922-2

Date Sampled: 12/02/2016 0657  
Date Received: 12/02/2016 1048  
Client Matrix: Drinking Water

| Analyte               | Result/Qualifier | Unit | RL             | RL              | Dilution |
|-----------------------|------------------|------|----------------|-----------------|----------|
| Method: 200.8 Rev.5.4 |                  |      | Date Analyzed: | 12/07/2016 1836 |          |
| Prep Method: 200      |                  |      | Date Prepared: | 12/07/2016 1410 |          |
| Pb                    | 2.31             | ug/L | 1.00           | 1.00            | 1.0      |

## DATA REPORTING QUALIFIERS

| <b>Lab Section</b> | <b>Qualifier</b> | <b>Description</b> |
|--------------------|------------------|--------------------|
|--------------------|------------------|--------------------|

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## Certification Information

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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, Phenolphthalein 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

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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.   |



## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Orange-Ulster BOCES

Job Number: 420-113922-1

SDG Number: Minisink Valley CSD- Elemen/Intermed.

**Login Number: 113922**

| 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   | 20.0 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   | Metal Analysis does not require cooling. 12/2/16 RD |
| 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   |   |