

August 25, 2016

Laura Kretzer  
St. John Neumann Catholic School  
142 Wilma Drive  
Maryville, IL 62026  
TEL: (618) 345-7230  
FAX:



**RE:** Water Testing

**WorkOrder:** 16081185

Dear Laura Kretzer:

TEKLAB, INC received 12 samples on 8/19/2016 8:04:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Emily Pohlman  
Project Manager  
(618)344-1004 ex 44  
[epohlman@teklabinc.com](mailto:epohlman@teklabinc.com)



## Report Contents

<http://www.teklabinc.com/>

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**Client:** St. John Neumann Catholic School

**Work Order:** 16081185

**Client Project:** Water Testing

**Report Date:** 25-Aug-16

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**Client:** St. John Neumann Catholic School

**Work Order:** 16081185

**Client Project:** Water Testing

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### Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count ( > 200 CFU )

### Qualifiers

- |  |  |
|--|--|
| # - Unknown hydrocarbon                                      | B - Analyte detected in associated Method Blank        |
| E - Value above quantitation range                           | H - Holding times exceeded                             |
| I - Associated internal standard was outside method criteria | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit                     | R - RPD outside accepted recovery limits               |
| S - Spike Recovery outside recovery limits                   | T - TIC(Tentatively identified compound)               |
| X - Value exceeds Maximum Contaminant Level                  |  |



## Case Narrative

<http://www.teklabinc.com/>

**Client:** St. John Neumann Catholic School

**Work Order:** 16081185

**Client Project:** Water Testing

**Report Date:** 25-Aug-16

**Cooler Receipt Temp:** 16.22 °C

An employee of Teklab, Inc. collected the sample(s).

### Locations and Accreditations

	<u>Collinsville</u>	<u>Springfield</u>	<u>Kansas City</u>	<u>Collinsville Air</u>
<b>Address</b>	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	3920 Pintail Dr Springfield, IL 62711-9415	8421 Nieman Road Lenexa, KS 66214	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
<b>Phone</b>	(618) 344-1004	(217) 698-1004	(913) 541-1998	(618) 344-1004
<b>Fax</b>	(618) 344-1005	(217) 698-1005	(913) 541-1998	(618) 344-1005
<b>Email</b>	jhriley@teklabinc.com	KKlostermann@teklabinc.com	dthompson@teklabinc.com	EHurley@teklabinc.com

<u>State</u>	<u>Dept</u>	<u>Cert #</u>	<u>NELAP</u>	<u>Exp Date</u>	<u>Lab</u>
Illinois	IEPA	100226	NELAP	1/31/2017	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2017	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2017	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2017	Collinsville
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2017	Collinsville
Arkansas	ADEQ	88-0966		3/14/2017	Collinsville
Illinois	IDPH	17584		5/31/2017	Collinsville
Kentucky	KDEP	98006		12/31/2016	Collinsville
Kentucky	UST	0073		1/31/2017	Collinsville
Missouri	MDNR	00930		5/31/2017	Collinsville
Missouri	MDNR	930		1/31/2017	Collinsville
Oklahoma	ODEQ	9978		8/31/2016	Collinsville



## Laboratory Results

<http://www.teklabinc.com/>

Client: St. John Neumann Catholic School

Work Order: 16081185

Client Project: Water Testing

Report Date: 25-Aug-16

Lab ID: 16081185-001

Client Sample ID: East Wing North Water Fountain

Matrix: DRINKING WATER

Collection Date: 08/19/2016 6:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500		<b>33.2</b>	mg/L	1	08/22/2016 14:57	121593
Iron	NELAP	0.0200		<b>&lt; 0.0200</b>	mg/L	1	08/22/2016 14:57	121593
Magnesium	NELAP	0.0500		<b>13.0</b>	mg/L	1	08/22/2016 14:57	121593
Sodium	NELAP	0.0500		<b>208</b>	mg/L	1	08/22/2016 14:57	121593
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		<b>0.0424</b>	mg/L	5	08/22/2016 17:30	121595
Antimony	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 17:30	121595
Arsenic	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 17:30	121595
Barium	NELAP	0.0010		<b>0.0429</b>	mg/L	5	08/22/2016 17:30	121595
Beryllium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:30	121595
Cadmium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:30	121595
Chromium	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/22/2016 17:30	121595
Copper	NELAP	0.0010		<b>0.742</b>	mg/L	5	08/22/2016 17:30	121595
Lead	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:30	121595
Manganese	NELAP	0.0050		<b>0.0057</b>	mg/L	5	08/22/2016 17:30	121595
Molybdenum	NELAP	0.0010		<b>0.0012</b>	mg/L	5	08/22/2016 17:30	121595
Nickel	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/23/2016 14:31	121595
Selenium	NELAP	0.0010		<b>0.0016</b>	mg/L	5	08/22/2016 17:30	121595
Silver	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:30	121595
Thallium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:30	121595
Zinc	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/23/2016 14:31	121595



## Laboratory Results

<http://www.teklabinc.com/>

**Client:** St. John Neumann Catholic School

**Work Order:** 16081185

**Client Project:** Water Testing

**Report Date:** 25-Aug-16

**Lab ID:** 16081185-002

**Client Sample ID:** East Wing South Water Fountain

**Matrix:** DRINKING WATER

**Collection Date:** 08/19/2016 6:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500		<b>31.8</b>	mg/L	1	08/22/2016 15:01	121593
Iron	NELAP	0.0200		<b>&lt; 0.0200</b>	mg/L	1	08/22/2016 15:01	121593
Magnesium	NELAP	0.0500		<b>12.6</b>	mg/L	1	08/22/2016 15:01	121593
Sodium	NELAP	0.0500		<b>201</b>	mg/L	1	08/22/2016 15:01	121593
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		<b>0.0425</b>	mg/L	5	08/22/2016 17:36	121595
Antimony	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 17:36	121595
Arsenic	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 17:36	121595
Barium	NELAP	0.0010		<b>0.0386</b>	mg/L	5	08/22/2016 17:36	121595
Beryllium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:36	121595
Cadmium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:36	121595
Chromium	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/22/2016 17:36	121595
Copper	NELAP	0.0010		<b>0.685</b>	mg/L	5	08/22/2016 17:36	121595
Lead	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:36	121595
Manganese	NELAP	0.0050		<b>0.0052</b>	mg/L	5	08/22/2016 17:36	121595
Molybdenum	NELAP	0.0010		<b>0.0011</b>	mg/L	5	08/22/2016 17:36	121595
Nickel	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/23/2016 14:36	121595
Selenium	NELAP	0.0010		<b>0.0010</b>	mg/L	5	08/22/2016 17:36	121595
Silver	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:36	121595
Thallium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:36	121595
Zinc	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/23/2016 14:36	121595



## Laboratory Results

<http://www.teklabinc.com/>

**Client:** St. John Neumann Catholic School

**Work Order:** 16081185

**Client Project:** Water Testing

**Report Date:** 25-Aug-16

**Lab ID:** 16081185-003

**Client Sample ID:** Teachers Lounge Sink

**Matrix:** DRINKING WATER

**Collection Date:** 08/19/2016 7:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500		<b>33.5</b>	mg/L	1	08/22/2016 15:05	121593
Iron	NELAP	0.0200		<b>&lt; 0.0200</b>	mg/L	1	08/22/2016 15:05	121593
Magnesium	NELAP	0.0500		<b>13.8</b>	mg/L	1	08/22/2016 15:05	121593
Sodium	NELAP	0.0500		<b>203</b>	mg/L	1	08/22/2016 15:05	121593
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		<b>&lt; 0.0250</b>	mg/L	5	08/22/2016 17:42	121595
Antimony	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 17:42	121595
Arsenic	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 17:42	121595
Barium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:42	121595
Beryllium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:42	121595
Cadmium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:42	121595
Chromium	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/22/2016 17:42	121595
Copper	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:42	121595
Lead	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:42	121595
Manganese	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 17:42	121595
Molybdenum	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:42	121595
Nickel	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/23/2016 14:42	121595
Selenium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:42	121595
Silver	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:42	121595
Thallium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:42	121595
Zinc	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/23/2016 14:42	121595



## Laboratory Results

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Client: St. John Neumann Catholic School

Work Order: 16081185

Client Project: Water Testing

Report Date: 25-Aug-16

Lab ID: 16081185-004

Client Sample ID: West Wing South Water Fountain

Matrix: DRINKING WATER

Collection Date: 08/19/2016 7:02

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500		<b>32.7</b>	mg/L	1	08/22/2016 15:08	121593
Iron	NELAP	0.0200		<b>&lt; 0.0200</b>	mg/L	1	08/22/2016 15:08	121593
Magnesium	NELAP	0.0500		<b>12.9</b>	mg/L	1	08/22/2016 15:08	121593
Sodium	NELAP	0.0500		<b>202</b>	mg/L	1	08/22/2016 15:08	121593
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		<b>&lt; 0.0250</b>	mg/L	5	08/22/2016 17:59	121595
Antimony	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 17:59	121595
Arsenic	NELAP	0.0050		<b>0.0051</b>	mg/L	5	08/22/2016 17:59	121595
Barium	NELAP	0.0010		<b>0.0353</b>	mg/L	5	08/22/2016 17:59	121595
Beryllium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:59	121595
Cadmium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:59	121595
Chromium	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/22/2016 17:59	121595
Copper	NELAP	0.0010		<b>0.768</b>	mg/L	5	08/22/2016 17:59	121595
Lead	NELAP	0.0010		<b>0.0010</b>	mg/L	5	08/22/2016 17:59	121595
Manganese	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 17:59	121595
Molybdenum	NELAP	0.0010		<b>0.0039</b>	mg/L	5	08/22/2016 17:59	121595
Nickel	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/23/2016 14:48	121595
Selenium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:59	121595
Silver	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:59	121595
Thallium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 17:59	121595
Zinc	NELAP	0.0100		<b>0.0146</b>	mg/L	5	08/23/2016 14:48	121595





## Laboratory Results

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Client: St. John Neumann Catholic School

Work Order: 16081185

Client Project: Water Testing

Report Date: 25-Aug-16

Lab ID: 16081185-005

Client Sample ID: West Wing North Water Fountain

Matrix: DRINKING WATER

Collection Date: 08/19/2016 7:03

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500		<b>33.6</b>	mg/L	1	08/22/2016 15:12	121593
Iron	NELAP	0.0200		<b>&lt; 0.0200</b>	mg/L	1	08/22/2016 15:12	121593
Magnesium	NELAP	0.0500		<b>13.0</b>	mg/L	1	08/22/2016 15:12	121593
Sodium	NELAP	0.0500		<b>206</b>	mg/L	1	08/22/2016 15:12	121593
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		<b>&lt; 0.0250</b>	mg/L	5	08/22/2016 18:04	121595
Antimony	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:04	121595
Arsenic	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:04	121595
Barium	NELAP	0.0010		<b>0.0369</b>	mg/L	5	08/22/2016 18:04	121595
Beryllium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:04	121595
Cadmium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:04	121595
Chromium	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/22/2016 18:04	121595
Copper	NELAP	0.0010		<b>0.945</b>	mg/L	5	08/22/2016 18:04	121595
Lead	NELAP	0.0010		<b>0.0013</b>	mg/L	5	08/22/2016 18:04	121595
Manganese	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:04	121595
Molybdenum	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:04	121595
Nickel	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/23/2016 15:58	121595
Selenium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:04	121595
Silver	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:04	121595
Thallium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:04	121595
Zinc	NELAP	0.0100		<b>0.0145</b>	mg/L	5	08/23/2016 15:58	121595



## Laboratory Results

<http://www.teklabinc.com/>

**Client:** St. John Neumann Catholic School

**Work Order:** 16081185

**Client Project:** Water Testing

**Report Date:** 25-Aug-16

**Lab ID:** 16081185-006

**Client Sample ID:** Main Hall Middle Water Fountain

**Matrix:** DRINKING WATER

**Collection Date:** 08/19/2016 7:06

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500		<b>32.1</b>	mg/L	1	08/22/2016 15:16	121593
Iron	NELAP	0.0200		<b>0.0217</b>	mg/L	1	08/22/2016 15:16	121593
Magnesium	NELAP	0.0500		<b>13.6</b>	mg/L	1	08/22/2016 15:16	121593
Sodium	NELAP	0.0500		<b>199</b>	mg/L	1	08/22/2016 15:16	121593
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		<b>&lt; 0.0250</b>	mg/L	5	08/22/2016 18:10	121595
Antimony	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:10	121595
Arsenic	NELAP	0.0050		<b>0.0052</b>	mg/L	5	08/22/2016 18:10	121595
Barium	NELAP	0.0010		<b>0.0406</b>	mg/L	5	08/22/2016 18:10	121595
Beryllium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:10	121595
Cadmium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:10	121595
Chromium	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/22/2016 18:10	121595
Copper	NELAP	0.0010		<b>1.13</b>	mg/L	5	08/22/2016 18:10	121595
Lead	NELAP	0.0010		<b>0.0037</b>	mg/L	5	08/22/2016 18:10	121595
Manganese	NELAP	0.0050		<b>0.0063</b>	mg/L	5	08/22/2016 18:10	121595
Molybdenum	NELAP	0.0010		<b>0.0011</b>	mg/L	5	08/22/2016 18:10	121595
Nickel	NELAP	0.0010		<b>0.0029</b>	mg/L	5	08/23/2016 16:03	121595
Selenium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:10	121595
Silver	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:10	121595
Thallium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:10	121595
Zinc	NELAP	0.0100		<b>0.0774</b>	mg/L	5	08/23/2016 16:03	121595



## Laboratory Results

<http://www.teklabinc.com/>

Client: St. John Neumann Catholic School

Work Order: 16081185

Client Project: Water Testing

Report Date: 25-Aug-16

Lab ID: 16081185-007

Client Sample ID: Main Hall South Water Fountain

Matrix: DRINKING WATER

Collection Date: 08/19/2016 7:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500		<b>32.7</b>	mg/L	1	08/22/2016 15:31	121593
Iron	NELAP	0.0200		<b>0.0548</b>	mg/L	1	08/22/2016 15:31	121593
Magnesium	NELAP	0.0500		<b>13.9</b>	mg/L	1	08/22/2016 15:31	121593
Sodium	NELAP	0.0500		<b>204</b>	mg/L	1	08/22/2016 15:31	121593
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		<b>&lt; 0.0250</b>	mg/L	5	08/22/2016 18:15	121595
Antimony	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:15	121595
Arsenic	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:15	121595
Barium	NELAP	0.0010		<b>0.0355</b>	mg/L	5	08/22/2016 18:15	121595
Beryllium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:15	121595
Cadmium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:15	121595
Chromium	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/22/2016 18:15	121595
Copper	NELAP	0.0010		<b>1.22</b>	mg/L	5	08/23/2016 16:09	121595
Lead	NELAP	0.0010		<b>0.0026</b>	mg/L	5	08/22/2016 18:15	121595
Manganese	NELAP	0.0050		<b>0.0057</b>	mg/L	5	08/22/2016 18:15	121595
Molybdenum	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:15	121595
Nickel	NELAP	0.0010		<b>0.0032</b>	mg/L	5	08/23/2016 16:09	121595
Selenium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:15	121595
Silver	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:15	121595
Thallium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:15	121595
Zinc	NELAP	0.0100		<b>0.152</b>	mg/L	5	08/23/2016 16:09	121595



## Laboratory Results

<http://www.teklabinc.com/>

**Client:** St. John Neumann Catholic School

**Work Order:** 16081185

**Client Project:** Water Testing

**Report Date:** 25-Aug-16

**Lab ID:** 16081185-008

**Client Sample ID:** Main Hall North Water Fountain

**Matrix:** DRINKING WATER

**Collection Date:** 08/19/2016 7:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500		<b>33.4</b>	mg/L	1	08/22/2016 15:34	121593
Iron	NELAP	0.0200		<b>&lt; 0.0200</b>	mg/L	1	08/22/2016 15:34	121593
Magnesium	NELAP	0.0500		<b>14.2</b>	mg/L	1	08/22/2016 15:34	121593
Sodium	NELAP	0.0500		<b>207</b>	mg/L	1	08/22/2016 15:34	121593
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		<b>&lt; 0.0250</b>	mg/L	5	08/22/2016 18:21	121595
Antimony	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:21	121595
Arsenic	NELAP	0.0050		<b>0.0057</b>	mg/L	5	08/22/2016 18:21	121595
Barium	NELAP	0.0010		<b>0.0411</b>	mg/L	5	08/22/2016 18:21	121595
Beryllium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:21	121595
Cadmium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:21	121595
Chromium	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/22/2016 18:21	121595
Copper	NELAP	0.0010		<b>1.13</b>	mg/L	5	08/22/2016 18:21	121595
Lead	NELAP	0.0010		<b>0.0031</b>	mg/L	5	08/22/2016 18:21	121595
Manganese	NELAP	0.0050		<b>0.0057</b>	mg/L	5	08/22/2016 18:21	121595
Molybdenum	NELAP	0.0010		<b>0.0012</b>	mg/L	5	08/22/2016 18:21	121595
Nickel	NELAP	0.0010		<b>0.0027</b>	mg/L	5	08/23/2016 16:15	121595
Selenium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:21	121595
Silver	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:21	121595
Thallium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:21	121595
Zinc	NELAP	0.0100		<b>0.105</b>	mg/L	5	08/23/2016 16:15	121595



## Laboratory Results

<http://www.teklabinc.com/>

**Client:** St. John Neumann Catholic School

**Work Order:** 16081185

**Client Project:** Water Testing

**Report Date:** 25-Aug-16

**Lab ID:** 16081185-009

**Client Sample ID:** Gym Middle Water Fountain

**Matrix:** DRINKING WATER

**Collection Date:** 08/19/2016 7:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500	S	33.3	mg/L	1	08/22/2016 15:38	121593
Iron	NELAP	0.0200		< 0.0200	mg/L	1	08/22/2016 15:38	121593
Magnesium	NELAP	0.0500		13.1	mg/L	1	08/22/2016 15:38	121593
Sodium	NELAP	0.0500	S	211	mg/L	1	08/22/2016 15:38	121593
<i>MS QC limits for Ca and Na are not applicable due to high sample/spike ratio.</i>								
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		< 0.0250	mg/L	5	08/22/2016 18:27	121595
Antimony	NELAP	0.0050		< 0.0050	mg/L	5	08/22/2016 18:27	121595
Arsenic	NELAP	0.0050		0.0053	mg/L	5	08/22/2016 18:27	121595
Barium	NELAP	0.0010		0.0377	mg/L	5	08/22/2016 18:27	121595
Beryllium	NELAP	0.0010		< 0.0010	mg/L	5	08/23/2016 16:20	121595
Cadmium	NELAP	0.0010		< 0.0010	mg/L	5	08/22/2016 18:27	121595
Chromium	NELAP	0.0100		< 0.0100	mg/L	5	08/22/2016 18:27	121595
Copper	NELAP	0.0010		0.876	mg/L	5	08/23/2016 16:20	121595
Lead	NELAP	0.0010		< 0.0010	mg/L	5	08/22/2016 18:27	121595
Manganese	NELAP	0.0050		< 0.0050	mg/L	5	08/22/2016 18:27	121595
Molybdenum	NELAP	0.0010		0.0010	mg/L	5	08/22/2016 18:27	121595
Nickel	NELAP	0.0010		< 0.0010	mg/L	5	08/23/2016 16:20	121595
Selenium	NELAP	0.0010		< 0.0010	mg/L	5	08/22/2016 18:27	121595
Silver	NELAP	0.0010		< 0.0010	mg/L	5	08/22/2016 18:27	121595
Thallium	NELAP	0.0010		< 0.0010	mg/L	5	08/22/2016 18:27	121595
Zinc	NELAP	0.0100		0.0113	mg/L	5	08/23/2016 16:20	121595



## Laboratory Results

<http://www.teklabinc.com/>

Client: St. John Neumann Catholic School

Work Order: 16081185

Client Project: Water Testing

Report Date: 25-Aug-16

Lab ID: 16081185-010

Client Sample ID: Gym East Water Fountain

Matrix: DRINKING WATER

Collection Date: 08/19/2016 7:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500		<b>33.0</b>	mg/L	1	08/22/2016 15:49	121593
Iron	NELAP	0.0200		<b>&lt; 0.0200</b>	mg/L	1	08/22/2016 15:49	121593
Magnesium	NELAP	0.0500		<b>12.9</b>	mg/L	1	08/22/2016 15:49	121593
Sodium	NELAP	0.0500		<b>208</b>	mg/L	1	08/22/2016 15:49	121593
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		<b>&lt; 0.0250</b>	mg/L	5	08/22/2016 18:32	121595
Antimony	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:32	121595
Arsenic	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:32	121595
Barium	NELAP	0.0010		<b>0.0315</b>	mg/L	5	08/22/2016 18:32	121595
Beryllium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:32	121595
Cadmium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:32	121595
Chromium	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/22/2016 18:32	121595
Copper	NELAP	0.0010		<b>1.17</b>	mg/L	5	08/22/2016 18:32	121595
Lead	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:32	121595
Manganese	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:32	121595
Molybdenum	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:32	121595
Nickel	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/23/2016 16:48	121595
Selenium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:32	121595
Silver	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:32	121595
Thallium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:32	121595
Zinc	NELAP	0.0100		<b>0.0115</b>	mg/L	5	08/23/2016 16:48	121595



## Laboratory Results

<http://www.teklabinc.com/>

**Client:** St. John Neumann Catholic School

**Work Order:** 16081185

**Client Project:** Water Testing

**Report Date:** 25-Aug-16

**Lab ID:** 16081185-011

**Client Sample ID:** Gym West Water Fountain

**Matrix:** DRINKING WATER

**Collection Date:** 08/19/2016 7:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500		<b>32.2</b>	mg/L	1	08/22/2016 15:53	121593
Iron	NELAP	0.0200		<b>&lt; 0.0200</b>	mg/L	1	08/22/2016 15:53	121593
Magnesium	NELAP	0.0500		<b>12.8</b>	mg/L	1	08/22/2016 15:53	121593
Sodium	NELAP	0.0500		<b>206</b>	mg/L	1	08/22/2016 15:53	121593
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		<b>&lt; 0.0250</b>	mg/L	5	08/22/2016 18:38	121595
Antimony	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:38	121595
Arsenic	NELAP	0.0050		<b>0.0052</b>	mg/L	5	08/22/2016 18:38	121595
Barium	NELAP	0.0010		<b>0.0355</b>	mg/L	5	08/22/2016 18:38	121595
Beryllium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:38	121595
Cadmium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:38	121595
Chromium	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/22/2016 18:38	121595
Copper	NELAP	0.0010		<b>1.05</b>	mg/L	5	08/22/2016 18:38	121595
Lead	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:38	121595
Manganese	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:38	121595
Molybdenum	NELAP	0.0010		<b>0.0011</b>	mg/L	5	08/22/2016 18:38	121595
Nickel	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/23/2016 16:54	121595
Selenium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:38	121595
Silver	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:38	121595
Thallium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:38	121595
Zinc	NELAP	0.0100		<b>0.0156</b>	mg/L	5	08/23/2016 16:54	121595



## Laboratory Results

<http://www.teklabinc.com/>

Client: St. John Neumann Catholic School

Work Order: 16081185

Client Project: Water Testing

Report Date: 25-Aug-16

Lab ID: 16081185-012

Client Sample ID: Cafeteria Main Sink

Matrix: DRINKING WATER

Collection Date: 08/19/2016 7:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)</b>								
Calcium	NELAP	0.0500		<b>32.8</b>	mg/L	1	08/22/2016 15:56	121593
Iron	NELAP	0.0200		<b>&lt; 0.0200</b>	mg/L	1	08/22/2016 15:56	121593
Magnesium	NELAP	0.0500		<b>12.8</b>	mg/L	1	08/22/2016 15:56	121593
Sodium	NELAP	0.0500		<b>209</b>	mg/L	1	08/22/2016 15:56	121593
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>								
Aluminum	NELAP	0.0250		<b>&lt; 0.0250</b>	mg/L	5	08/22/2016 18:44	121595
Antimony	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:44	121595
Arsenic	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:44	121595
Barium	NELAP	0.0010		<b>0.0341</b>	mg/L	5	08/22/2016 18:44	121595
Beryllium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:44	121595
Cadmium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:44	121595
Chromium	NELAP	0.0100		<b>&lt; 0.0100</b>	mg/L	5	08/22/2016 18:44	121595
Copper	NELAP	0.0010		<b>1.11</b>	mg/L	5	08/22/2016 18:44	121595
Lead	NELAP	0.0010		<b>0.0040</b>	mg/L	5	08/22/2016 18:44	121595
Manganese	NELAP	0.0050		<b>&lt; 0.0050</b>	mg/L	5	08/22/2016 18:44	121595
Molybdenum	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:44	121595
Nickel	NELAP	0.0010		<b>0.0674</b>	mg/L	5	08/23/2016 17:00	121595
Selenium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:44	121595
Silver	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:44	121595
Thallium	NELAP	0.0010		<b>&lt; 0.0010</b>	mg/L	5	08/22/2016 18:44	121595
Zinc	NELAP	0.0100		<b>0.238</b>	mg/L	5	08/23/2016 17:00	121595





# Receiving Check List

<http://www.teklabinc.com/>

Client: St. John Neumann Catholic School

Work Order: 16081185

Client Project: Water Testing

Report Date: 25-Aug-16

Carrier: Jim Riley

Received By: AMD

Completed by:

*Amber Dilallo*

Reviewed by:

*Elizabeth A. Hurley*

On:

19-Aug-16

On:

19-Aug-16

Amber M. Dilallo

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

- Shipping container/cooler in good condition? Yes  No  Not Present  Temp °C **16.22**
- Type of thermal preservation? None  Ice  Blue Ice  Dry Ice
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Reported field parameters measured: Field  Lab  NA
- Container/Temp Blank temperature in compliance? Yes  No

*When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*

- Water – at least one vial per sample has zero headspace? Yes  No  No VOA vials
- Water - TOX containers have zero headspace? Yes  No  No TOX containers
- Water - pH acceptable upon receipt? Yes  No  NA
- NPDES/CWA TCN interferences checked/treated in the field? Yes  No  NA

**Any No responses must be detailed below or on the COC.**



