

February 14, 2020



Mr. Dan Kretsinger  
Richfield Public Schools  
7001 Harriet Avenue South  
Richfield, MN 55423  
Phone: 612-798-6081  
E-mail: [Dan.Kretsinger@rpsmn.org](mailto:Dan.Kretsinger@rpsmn.org)

**RE: Lead-in-Water First Draw – Initial Testing  
IEA Project #201911312**

Dear Mr. Kretsinger:

At the request of Richfield Public Schools, IEA collected two-hundred and ten (210) water samples from identified potable water sources on January 22, 2020 and January 23, 2020, for lead analyses from the following buildings:

- Hope Church (20 samples)
- RDLS Elementary (73 samples)
- Richfield High School (27 samples)
- Richfield STEM Elementary (90 samples)

The purpose of the sampling is to document lead content in the sampled locations.

## INTRODUCTION

Minnesota Statute 121A.335 requires public school buildings serving pre-kindergarten through grade 12 to test for lead in potable water fixtures every five years. The *3Ts for Reducing Lead in Drinking Water Toolkit (2018)* and the Lead Contamination Control Act (LCCA) of 1988 were created by the Environmental Protection Agency (EPA) to identify and reduce lead in drinking water. Lead is a metal that usually enters drinking water through the distribution system, including pipes, solders, faucets, and valves. Lead content in water may increase when the water is allowed to sit undisturbed in the system. Exposure to lead is a health concern.

The EPA recommends taking action when elevated lead levels are noted in water fixtures. The MDH and MDE recommend taking a fixture out of service if levels are 20 parts per billion (ppb) or higher. The MDH and MDE also recommend taking action according to their guidelines for fixtures with levels of 2 parts per billion (ppb) or higher.

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[www.ieasafety.com](http://www.ieasafety.com)

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9201 West Broadway, #600  
Brooklyn Park, MN 55445  
763-315-7900 / FAX 763-315-7920  
800-233-9513

MANKATO  
610 North Riverfront Drive  
Mankato, MN 56001  
507-345-8818 / FAX 507-345-5301  
800-233-9513

ROCHESTER  
210 Woodlake Drive SE  
Rochester, MN 55904  
507-281-6664 / FAX 507-281-6695  
800-233-9513

BRAINERD  
601 NW 5<sup>th</sup> Street, Ste. #4  
Brainerd, MN 56401  
218-454-0703 / FAX 218-454-0703  
800-233-9513

MARSHALL  
1420 East College Drive  
Marshall, MN 56258  
507-476-3599 / FAX 507-537-6985  
800-233-9513

VIRGINIA  
5525 Emerald Avenue  
Mountain Iron, MN 55768  
218-410-9521  
800-233-9513

## METHODOLOGY

IEA collected two-hundred and ten (210) first-draw (unless otherwise noted) samples of approximately 250 milliliters (ml) of water. “First draw” means the samples are collected before the fixture is used or flushed during the day. The first-draw sample results reflect a worst-case scenario, i.e., the highest lead level that would be consumed by building occupants. MDH recommends fixtures not be used 6 to 18 hours prior to sampling fixtures.

Water samples were analyzed by Minnesota Valley Testing Laboratories (MVTL) in New Ulm, Minnesota, which uses EPA-approved analytical methods and quality control/assurance procedures. Samples were analyzed using the ICP/MS EPA Method 200.8.

## RESULTS & DISCUSSION

The lead-in-water sampling results ranged from below the level of detection (<0.5 ppb) to 34.1 ppb. There are 6 sample results greater than the district designated level of 15 ppb. See *Table 1: Water Testing Results Exceeding 15 ppb*. The laboratory reports are provided in Appendix A. Laboratory results are reported in micrograms per liter (µg/L) which is equivalent to ppb.

**Table 1: Water Testing Results Exceeding 15 ppb – January 22, 2020 & January 23, 2020**

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)
201911312HC-5	Hope Church	North Bathroom 5	Sink	19.3
201911312HC-16	Hope Church	C345	Sink	20.4
201911312RHS-15	High School	Kitchen 8	Sink	21.0
201911312RHS-18	High School	Kitchen 11	Sink	24.3
201911312RSTEM-11	STEM	316	Sink	21.3
201911312RSTEM-83	STEM	217	Sink	34.1

ppb – parts per billion

## RECOMMENDATIONS

IEA recommends implementing one of the following treatment options for fixtures with elevated lead content. Fixtures should be retested after remediation to verify lead content reduction.

- Remove fixture from service by disconnecting it from the water supply and/or post signs that the water is not potable and notify staff accordingly.
- Provide bottled water to occupants which meet FDA and state standards. A written statement from the bottled water distributor guaranteeing the standard are met should be filed with the District.
- Replace lead pipes on the property and district portion of the service line.
- Reconfigure plumbing system to redirect the water to bypass any known sources of lead contamination.
- Replace fixture with a "lead-free" fixture certified to NSF/ANSI 372 or NSF/ANSI 61-G. The *Reduction of Lead in Drinking Water Act* redefines "lead-free" as "not more than a weighted average of 0.25% lead when used with respect to wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures." Effective January 4, 2014, drinking water system components sold or installed must adhere to this new requirement.
- Install a drinking water treatment unit certified to NSF/ANSI 53 or NSF/ANSI 42 for lead reduction.

- Conduct flush testing in accordance with MDH, MDE, and EPA guidelines to determine if flushing will reduce lead content. If results indicate that flushing will reduce lead to acceptable levels:
  - Implement a flushing program which includes documentation of daily flushing and periodic program review.
  - Note that elevated levels can return quickly following flushing depending upon the age and condition of the plumbing. Replace the plumbing components and ensure any repair or replacement is done using only “lead-free” solder can address high lead levels.
  - Check existing wires in the building that could be grounded to lead piping. The electrical current produced may accelerate the corrosion of the pipes. Consider checking the wires and finding an alternative grounding system.

In addition, the MDH recommends labeling any water fixtures not included in the sampling program, including bathroom taps, hose bibbs, laboratory faucets/sinks or custodial closet sinks.

If the school receives its water from a Community Public Water Supply, such as a municipal water supply, MDH encourages the school to work with them to assess the source contribution of lead coming into the school.

It is recommended that a copy of the district's Lead in Water Testing Report be made available to staff and the public through the district's administrative offices. Per Minnesota Statutes, section 121A.335, a school district that has tested its buildings for the presence of lead shall make the results of the testing available to the public for review and must notify parents of the availability of the information.

## GENERAL CONDITIONS

The analysis and opinions expressed in this report are based upon data obtained from Richfield Public Schools at the indicated locations. This report does not reflect variations in conditions that may occur across the site, property, or facility. Actual conditions may vary and may not become evident without further assessment.

The report is prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted environmental, health and safety practices. Other than as provided in the preceding sentence and in our Proposal #8617 dated November 27, 2019, regarding lead-in-water sampling at Richfield Public Schools. including the General Conditions attached thereto, no warranties are extended or made.

Please contact IEA if you would like assistance with any of the above recommendations or have questions regarding this report.

Sincerely,

IEA, Inc.



Daniel Holcomb  
EH&S Project Manager

DH/khb 02142020

Enc.

# **Appendix A**

*Laboratory Testing Reports and Maps*



# MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890

2616 E. Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724

1201 Lincoln Highway ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885

www.mvttl.com

MEMBER

ACIL

Report Date: 10 Feb 2020

HEIDI SOLBERG  
IEA/BROOKLYN PARK  
9201 W BDWY STE #600  
BROOKLYN PARK MN 55445

Work Order #: 12-3796  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 12.8C

PROJECT NAME: HOPE CHURCH  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
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20-A3951	201911312HC-1 NORTH BATHROOM SINK 1	1.58 ^ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3952	201911312HC-2 NORTH BATHROOM SINK 2	1.71 ^ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3953	201911312HC-3 NORTH BATHROOM SINK 3	1.57 ^ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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CERTIFICATION: MN LAB # 027-015-125 ND WW/DW # R-040



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Temperature at Receipt: 12.8C

PROJECT NAME: HOPE CHURCH  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3954	201911312HC-4 NORTH BATHROOM SINK 4	3.19 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3955	201911312HC-5 NORTH BATHROOM SINK 5	19.3 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3956	201911312HC-6 SOUTH BATHROOM SINK 1	2.48 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3957	201911312HC-7 SOUTH BATHROOM SINK 2	3.95 ^ug/L	15.0	6 Feb 20	RMV

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PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
---------------	-----------------------	-----------------	-----	------------------	---------

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20-A3958	201911312HC-8 SOUTH BATHROOM SINK 3	5.19 ^ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3959	201911312HC-9 SOUTH BATHROOM SINK 4	2.23 ^ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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Chemistry Laboratory Managers New Ulm, MN

David Smahel

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Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 12.8C

PROJECT NAME: HOPE CHURCH  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3960	201911312HC-10 SOUTH BATHROOM SINK 5	11.1 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3961	201911312HC-11 DF BY BATHROOMS	3.73 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3962	201911312HC-12 WC BY BATHROOMS	3.20 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3963	201911312HC-13 BF BY BATHROOMS	4.08 ^ug/L	15.0	6 Feb 20	RMV

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David Smahel

Chemistry Laboratory Managers New Ulm, MN

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BROOKLYN PARK MN 55445

Work Order #: 12-3796  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 12.8C

PROJECT NAME: HOPE CHURCH  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
---------------	-----------------------	-----------------	-----	------------------	---------

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20-A3964	201911312HC-15 C342 SINK	7.14 ^ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3965	201911312HC-16 C345 SINK	20.4 ^ug/L	15.0	6 Feb 20	RMV
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Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 12.8C

PROJECT NAME: HOPE CHURCH  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3966	201911312HC-17 C344 SINK	9.32 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3967	201911312HC-18 C343 SINK	5.38 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3968	201911312HC-19 C346 SINK	9.42 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3969	201911312HC-20 C347 SINK NORTH	9.24 ^ug/L	15.0	6 Feb 20	RMV

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Work Order #: 12-3796  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 12.8C

PROJECT NAME: HOPE CHURCH  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
---------------	-----------------------	-----------------	-----	------------------	---------

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20-A3970	201911312HC-21 C347 SINK SOUTH	6.62 ^ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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LEGEND

Sink

Water Cooler

Bottle Filler

Drinking Fountain



● Restroom

■ EXIT



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Report Date: 12 Feb 2020

HEIDI SOLBERG  
IEA/BROOKLYN PARK  
9201 W BDWY STE #600  
BROOKLYN PARK MN 55445

Work Order #: 12-3721  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 22 Jan 2020  
Date Sampled: 22 Jan 2020  
Temperature at Receipt: 20.1C

PROJECT NAME: RDLS  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3516	201911312RDLS-1 ROOM 101 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3517	201911312RDLS-2 ROOM 102 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3518	201911312RDLS-3 ROOM 103 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3519	201911312RDLS-4 ROOM 104 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3520	201911312RDLS-5 ROOM 105 SINK	0.75 ug/L	15.0	4 Feb 20	RMV
20-A3521	201911312RDLS-6 ROOM 106 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3522	201911312RDLS-7 ROOM 107 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3523	201911312RDLS-8 OUTSIDE 107 WATER COOLER LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV

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Purchase Order #: 201911312

Date Received: 22 Jan 2020  
Date Sampled: 22 Jan 2020  
Temperature at Receipt: 20.1C

PROJECT NAME: RDLS  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3524	201911312RDLS-9 OUTSIDE 107 WATER COOLER RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3525	201911312RDLS-10 OUTSIDE 107 BOTTLE FILLER	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3526	201911312RDLS-11 ROOM 108 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3527	201911312RDLS-12 LUNCH ROOM WATER COOLER LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3528	201911312RDLS-13 LUNCH ROOM WATER COOLER RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3529	201911312RDLS-14 LUNCH ROOM BOTTLE FILLER	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3530	201911312RDLS-15	0.70 ug/L	15.0	4 Feb 20	RMV

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

Page: 2

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CERTIFICATION: MN LAB # 027-015-125 ND WW/DW # R-040



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Report Date: 12 Feb 2020

HEIDI SOLBERG  
IEA/BROOKLYN PARK  
9201 W BDWY STE #600  
BROOKLYN PARK MN 55445

Work Order #: 12-3721  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 22 Jan 2020  
Date Sampled: 22 Jan 2020  
Temperature at Receipt: 20.1C

PROJECT NAME: RDLS  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	KITCHEN HAND SINK SOUTH CORNER				
20-A3531	201911312RDLS-16 KITCHEN SINK SOUTH WALL	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3532	201911312RDLS-17 KITCHEN HAND SINK NORTH WALL	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3533	201911312RDLS-18 KITCHEN SINK NORTH WALL	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3534	201911312RDLS-19 DISH ROOM SINK NORTH WALL LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3535	201911312RDLS-20 DISH ROOM SPRAYER	< 0.5 ug/L	15.0	10 Feb 20	RMV
20-A3536	201911312RDLS-21 DISHROOM SINK NORTH WALL RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV

Approved by:

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Chemistry Laboratory Managers New Ulm, MN

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Temperature at Receipt: 20.1C

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PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3537	201911312RDLS-22 DISHROOM HAND SINK	0.53 ug/L	15.0	4 Feb 20	RMV
20-A3538	201911312RDLS-23 HOT WATER DISPENSER	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3539	201911312RDLS-24 GIRLS RESTROOM SINK 1	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3540	201911312RDLS-25 GIRLS RESTROOM SINK 2	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3541	201911312RDLS-26 ROOM 112 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3542	201911312RDLS-27 ROOM 114 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3543	201911312RDLS-28 ROOM 115 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3544	201911312RDLS-29	< 0.5 ug/L	15.0	4 Feb 20	RMV

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Chemistry Laboratory Managers New Ulm, MN

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PROJECT NAME: RDLS  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	ROOM 117 SINK				
20-A3545	201911312RDLS-30 ROOM 116 SINK	0.62 ug/L	15.0	4 Feb 20	RMV
20-A3546	201911312RDLS-31 ROOM 119 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3547	201911312RDLS-32 OUTSIDE ROOM 117 WATER COOLER LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3548	201911312RDLS-33 OUTSIDE ROOM 117 WATER COOLER RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3549	201911312RDLS-34 OUTSIDE ROOM 117 BOTTLE FILLER	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3550	201911312RDLS-35 RESTROOM SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV

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Chemistry Laboratory Managers New Ulm, MN

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PROJECT NAME: RDLS  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3551	201911312RDLS-36 BOYS RESTROOM SINK LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3552	201911312RDLS-37 BOYS RESTROOM SINK RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3553	201911312RDLS-38 RESTROOM SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3554	201911312RDLS-39 MOTHERS ROOM SINK	0.75 ug/L	15.0	4 Feb 20	RMV
20-A3555	201911312RDLS-40 ROOM 132 SINK	0.65 ug/L	15.0	4 Feb 20	RMV
20-A3556	201911312RDLS-41 GIRLS BATHROOM SINK 1 LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3557	201911312RDLS-42 GIRLS BATHROOM SINK 2 MIDDLE	< 0.5 ug/L	15.0	4 Feb 20	RMV

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PROJECT NAME: RDLS  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3558	201911312RDLS-43 GIRLS RESTROOM SINK 3 RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3559	201911312RDLS-44 BOYS RESTROOM SINK 1 LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3560	201911312RDLS-45 BOYS RESTROOM SINK 2 MIDDLE	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3561	201911312RDLS-46 BOYS RESTROOM SINK 3 RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3562	201911312RDLS-47 OUTSIDE BATHROOM WATER COOLER LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3563	201911312RDLS-48 OUTSIDE BATHROOM WATER COOLER RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV

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PROJECT NAME: RDLS  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3564	201911312RDLS-49 OUTSIDE BATHROOM BOTTLE FILLER	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3565	201911312RDLS-50 ROOM 142 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3566	201911312RDLS-51 ROOM 144 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3567	201911312RDLS-52 ROOM 143 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3568	201911312RDLS-53 ROOM 146 SINK	0.62 ug/L	15.0	4 Feb 20	RMV
20-A3569	201911312RDLS-54 OUTSIDE ROOM 146 WATER COOLER RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV

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David Smahel

Chemistry Laboratory Managers New Ulm, MN

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PROJECT NAME: RDLS  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3570	201911312RDLS-55 OUTSIDE ROOM 146 WATER COOLER LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3571	201911312RDLS-56 ROOM 145 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3572	201911312RDLS-57 ROOM 148 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3573	201911312RDLS-58 ROOM 147 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3574	201911312RDLS-59 ROOM 149 SINK	0.55 ug/L	15.0	4 Feb 20	RMV
20-A3575	201911312RDLS-60 ROOM 150 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3576	201911312RDLS-61 ROOM 152 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3577	201911312RDLS-62	< 0.5 ug/L	15.0	4 Feb 20	RMV

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Chemistry Laboratory Managers New Ulm, MN

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Temperature at Receipt: 20.1C

PROJECT NAME: RDLS  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	ROOM 151 SINK				
20-A3578	201911312RDLS-63 ROOM 139 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3579	201911312RDLS-64 139 WATER COOLER	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3975	201911312RDLS-65 BATHROOM 110N SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3976	201911312RDLS-66 ROOM 111 SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3977	201911312RDLS-67	< 1 ^ ug/L	15.0	6 Feb 20	RMV

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Chemistry Laboratory Managers New Ulm, MN

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Work Order #: 12-3721  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 12.8C

PROJECT NAME: RDLS  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
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OUTSIDE ROOM 146 BF

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3978	201911312RDLS-68 RESTROOM 139A	< 1 ^ ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3979	201911312RDLS-69 111D SLOP SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 12.8C

PROJECT NAME: RDLS  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3980	201911312RDLS-70 KITCHEN SLOP SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3981	201911312RDLS-71 141F SLOP SINK	10.8 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A4046	201911312RDLS-65 ROOM 118 SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A4047	201911312RDLS-22.1 WEST DISHROOM SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV

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Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 20.1C

PROJECT NAME: RDL5

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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Chemistry Laboratory Managers New Ulm, MN

Page: 13

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CERTIFICATION: MN LAB # 027-015-125 ND WW/DW # R-040





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MEMBER  
ACIL

Report Date: 12 Feb 2020

HEIDI SOLBERG  
IEA/BROOKLYN PARK  
9201 W BDWY STE #600  
BROOKLYN PARK MN 55445

Work Order #: 12-3720  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 22 Jan 2020  
Date Sampled: 22 Jan 2020  
Temperature at Receipt: 20.1C

PROJECT NAME: RICHFIELD HIGH SCHOOL  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3492	201911312RHS-2 KITCHEN BATHROOM SINK	0.62 ug/L	15.0	4 Feb 20	RMV
20-A3493	201911312RHS-3 KITCHEN SINK 1	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3494	201911312RHS-4 MOP ROOM SLOP BY EYEWASH	0.80 ug/L	15.0	4 Feb 20	RMV
20-A3495	201911312RHS-5 KITCHEN SINK 2	0.53 ug/L	15.0	4 Feb 20	RMV
20-A3496	201911312RHS-6 KITCHEN SINK 3	1.66 ug/L	15.0	4 Feb 20	RMV
20-A3497	201911312RHS-7 KITCHEN SINK 4	1.21 ug/L	15.0	4 Feb 20	RMV
20-A3498	201911312RHS-8 KITCHEN SPRAYER 1	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3499	201911312RHS-9 KITCHEN SINK 5	< 0.5 ug/L	15.0	4 Feb 20	RMV

Approved by:

Dan O'Connell

Chemistry Laboratory Managers New Ulm, MN

David Smahel

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Account #: 002190  
Purchase Order #: 201911312

Date Received: 22 Jan 2020  
Date Sampled: 22 Jan 2020  
Temperature at Receipt: 20.1C

PROJECT NAME: RICHFIELD HIGH SCHOOL  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3500	201911312RHS-11 KITCHEN STEAM KETTLE	1.05 ug/L	15.0	4 Feb 20	RMV
20-A3501	201911312RHS-12 KITCHEN HOT WATER DISPENSER	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3502	201911312RHS-13 KITCHEN SINK 6	0.74 ug/L	15.0	4 Feb 20	RMV
20-A3503	201911312RHS-14 KITCHEN SINK 7	1.82 ug/L	15.0	10 Feb 20	RMV
20-A3504	201911312RHS-15 KITCHEN SINK 8	21.0 ug/L	15.0	10 Feb 20	RMV
20-A3505	201911312RHS-16 KITCHEN SINK 9	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3506	201911312RHS-17 KITCHEN SINK 10	2.86 ug/L	15.0	4 Feb 20	RMV

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Dan O'Connell

Chemistry Laboratory Managers New Ulm, MN

David Smahel

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Temperature at Receipt: 20.1C

PROJECT NAME: RICHFIELD HIGH SCHOOL  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3507	201911312RHS-18 KITCHEN SINK 11	24.3 ug/L	15.0	4 Feb 20	RMV
20-A3508	201911312RHS-19 DISHROOM SPRAYER 1	< 0.5 ug/L	15.0	10 Feb 20	RMV
20-A3509	201911312RHS-20 DISHROOM SPRAYER 2	1.08 ug/L	15.0	4 Feb 20	RMV
20-A3510	201911312RHS-21 DISHROOM HAND SINK #3	0.90 ug/L	15.0	10 Feb 20	RMV
20-A3511	201911312RHS-22 DISHROOM SINK 1	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3512	201911312RHS-23 DISHROOM SINK 2	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3513	201911312RHS-24 101 KITCHEN SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3514	201911312RHS-25 101 HAND SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV

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Date Received: 22 Jan 2020  
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Temperature at Receipt: 20.1C

PROJECT NAME: RICHFIELD HIGH SCHOOL  
PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3515	201911312RHS-26 101 HOT WATER DISPENSER	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3971	201911312RHS-27 CAFETERIA WATER COOLER LEFT	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3972	201911312RHS-28 CAFETERIA WATER COOLER RIGHT	< 1 ^ ug/L	15.0	6 Feb 20	RMV

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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9201 W BDWY STE #600

BROOKLYN PARK MN 55445

Work Order #: 12-3720

Account #: 002190

Purchase Order #: 201911312

Date Received: 24 Jan 2020

Date Sampled: 23 Jan 2020

Temperature at Receipt: 12.8C

PROJECT NAME: RICHFIELD HIGH SCHOOL

PROJECT NUMBER: 201911312

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3973	201911312RHS-29 CAFETERIA BOTTLE FILLER	< 1 ^ ug/L	15.0	6 Feb 20	RMV

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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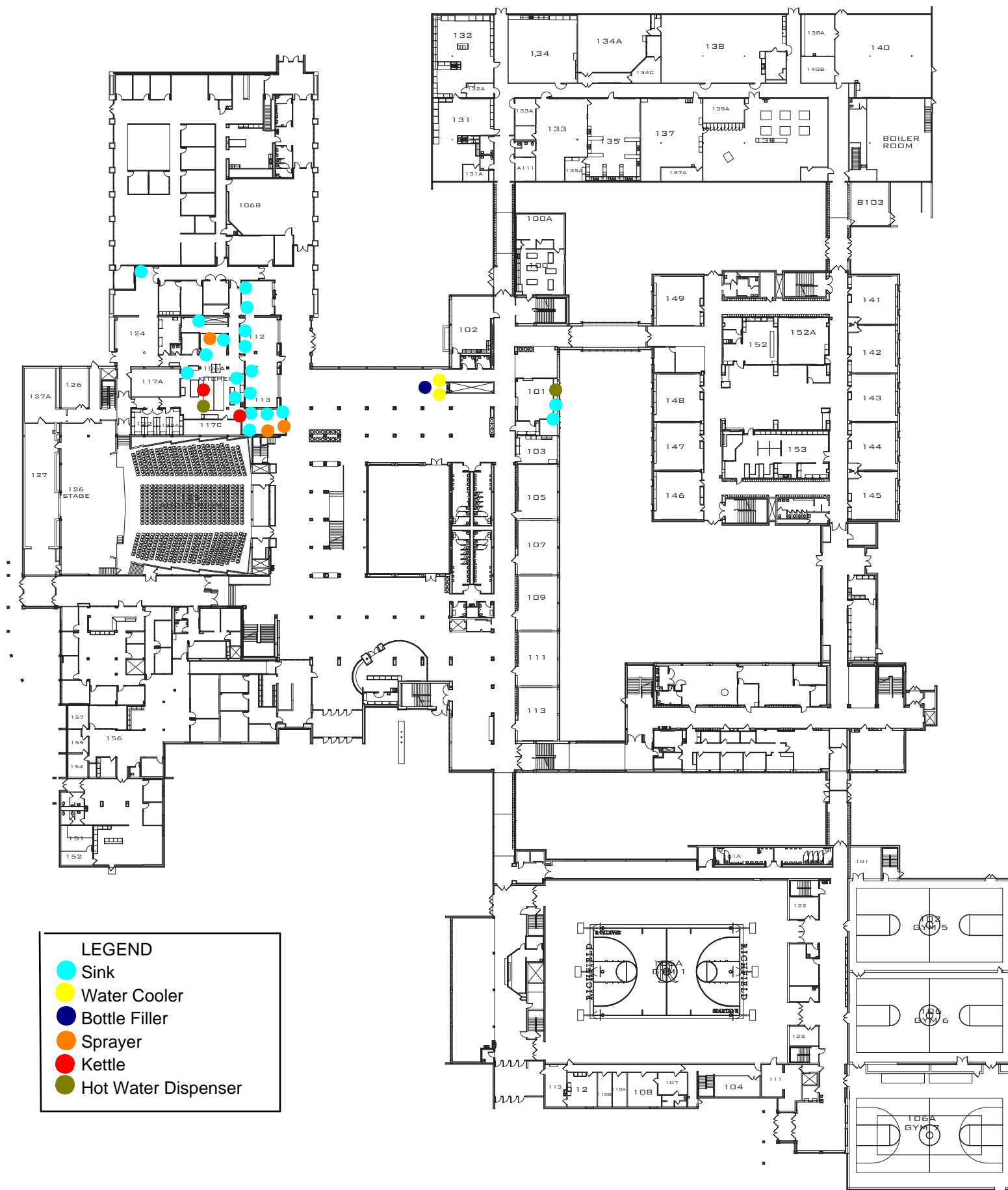
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#### LEGEND

- Sink
- Water Cooler
- Bottle Filler
- Sprayer
- Kettle
- Hot Water Dispenser



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Report Date: 11 Feb 2020

HEIDI SOLBERG  
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Work Order #: 12-3795  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 18.9C

PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3860	201911312RSTEM-1 301 SINK	11.3 ug/L	15.0	4 Feb 20	RMV
20-A3861	201911312RSTEM-2 302 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3862	201911312RSTEM-3 303 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3863	201911312RSTEM-4 309 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3864	201911312RSTEM-5 311 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3865	201911312RSTEM-6 312 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3866	201911312RSTEM-7 OUTSIDE 313 WATER COOLER LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3867	201911312RSTEM-8 OUTSIDE 313 WATER COOLER RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3868	201911312RSTEM-9 314 SINK	8.95 ug/L	15.0	4 Feb 20	RMV
20-A3869	201911312RSTEM-10 315 SINK	12.0 ug/L	15.0	4 Feb 20	RMV
20-A3870	201911312RSTEM-11 316 SINK	21.3 ug/L	15.0	4 Feb 20	RMV
20-A3871	201911312RSTEM-12 RESTROOM BY 325	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3872	201911312RSTEM-13 OUTSIDE 318 WATER COOLER LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3873	201911312RSTEM-14 OUTSIDE 318 WATER COOLER RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3874	201911312RSTEM-15 OUTSIDE 318 BOTTLE FILLER	< 0.5 ug/L	15.0	4 Feb 20	RMV

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3875	201911312RSTEM-16 318 SINK	13.3 ug/L	15.0	4 Feb 20	RMV
20-A3876	201911312RSTEM-17 319 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3877	201911312RSTEM-18 320 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3878	201911312RSTEM-19 321 SINK	0.84 ug/L	15.0	4 Feb 20	RMV
20-A3879	201911312RSTEM-20 329 SINK	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3880	201911312RSTEM-21 GIRLS BATHROOM 1 LEFT BY 325	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3881	201911312RSTEM-22 GIRLS BATHROOM 2 MIDDLE BY 325	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3882	201911312RSTEM-23	< 0.5 ug/L	15.0	4 Feb 20	RMV

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	GIRLS BATHROOM 3 RIGHT BY 325				
20-A3883	201911312RSTEM-24 BOYS BATHROOM 1 LEFT BY 325	0.63 ug/L	15.0	4 Feb 20	RMV
20-A3884	201911312RSTEM-25 BOYS BATHROOM 2 MIDDLE BY 325	0.65 ug/L	15.0	4 Feb 20	RMV
20-A3885	201911312RSTEM-26 BOYS BATHROOM 3 RIGHT BY 325	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3886	201911312RSTEM-27 OUTSIDE 332 WATER COOLER LEFT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3887	201911312RSTEM-28 OUTSIDE 332 WATER COOLER RIGHT	< 0.5 ug/L	15.0	4 Feb 20	RMV
20-A3888	201911312RSTEM-29	< 0.5 ug/L	15.0	4 Feb 20	RMV

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	OUTSIDE 332 BOTTLE FILLER				
20-A3889	201911312RSTEM-30 ROOM 332 SINK	5.99 ug/L	15.0	4 Feb 20	RMV
20-A3890	201911312RSTEM-31 ROOM 333 SINK	6.07 ug/L	15.0	4 Feb 20	RMV
20-A3891	201911312RSTEM-32 ROOM 334 SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3892	201911312RSTEM-33 ROOM 335 SINK	5.24 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3893	201911312RSTEM-34 RESTROOM 318 SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV

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David Smahel

Chemistry Laboratory Managers New Ulm, MN

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
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20-A3894	201911312RSTEM-35 RESTROOM 320 SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	--	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3895	201911312RSTEM-36 GIRLS BATHROOM 1 LEFT BY 335	< 1 ^ ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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David Smahel

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3896	201911312RSTEM-37 GIRLS BATHROOM 2 MIDDLE BY 335	< 1 ^ ug/L	15.0	6 Feb 20	RMV

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3897	201911312RSTEM-38 GIRLS BATHROOM 3 RIGHT BY 335	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	---	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3898	201911312RSTEM-39 OUTSIDE ROOM B213 RIGHT WATER COOLER	< 1 ^ ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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Report Date: 11 Feb 2020

HEIDI SOLBERG  
IEA/BROOKLYN PARK  
9201 W BDWY STE #600  
BROOKLYN PARK MN 55445

Work Order #: 12-3795  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 18.9C

PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3899	201911312RSTEM-40 BOYS BATHROOM 2 MIDDLE BY 335	< 1 ^ ug/L	15.0	6 Feb 20	RMV

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3900	201911312RSTEM-41 BOYS BATHROOM 3 RIGHT BY 335	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	--	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3901	201911312RSTEM-42 OUTSIDE 335 WATER COOLER LEFT	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	---	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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David Smahel

Chemistry Laboratory Managers New Ulm, MN

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Account #: 002190

Purchase Order #: 201911312

Date Received: 24 Jan 2020

Date Sampled: 23 Jan 2020

Temperature at Receipt: 18.9C

PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3902	201911312RSTEM-43 OUTSIDE 335 WATER COOLER RIGHT	< 1 ^ ug/L	15.0	6 Feb 20	RMV

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3903	201911312RSTEM-44 OUTSIDE 335 BOTTLE FILLER	< 1 ^ ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3904	201911312RSTEM-45 226 SINK	9.40 ^ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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David Smahel

Chemistry Laboratory Managers New Ulm, MN

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3905	201911312RSTEM-46 GIRLS BATHROOM 1 LEFT BY 226	< 1 ^ ug/L	15.0	6 Feb 20	RMV

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3906	201911312RSTEM-47 GIRLS BATHROOM 2 MIDDLE BY 226	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	--	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3907	201911312RSTEM-48 GIRLS BATHROOM 3 RIGHT BY 226	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	---	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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David Smahel

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3908	201911312RSTEM-49 BOYS BATHROOM 1 LEFT BY 226	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3909	201911312RSTEM-50 BOYS BATHROOM 2 MIDDLE BY 226	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3910	201911312RSTEM-51 ROOM B203 SINK	3.18 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3911	201911312RSTEM-52	< 1 ^ ug/L	15.0	6 Feb 20	RMV

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	OUTSIDE 226 WATER COOLER LEFT				
	^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.				
20-A3912	201911312RSTEM-53 OUTSIDE 226 WATER COOLER RIGHT	< 1 ^ ug/L	15.0	6 Feb 20	RMV
	^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.				
20-A3913	201911312RSTEM-54 OUTSIDE 226 BOTTLE FILLER	< 1 ^ ug/L	15.0	6 Feb 20	RMV
	^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.				
20-A3914	201911312RSTEM-55 229 SINK	4.25 ^ug/L	15.0	6 Feb 20	RMV

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
---------------	-----------------------	-----------------	-----	------------------	---------

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3915	201911312RSTEM-56 230 SINK	2.49 ^ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3916	201911312RSTEM-57 201 SINK	14.8 ^ug/L	15.0	6 Feb 20	RMV
----------	-------------------------------	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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Chemistry Laboratory Managers New Ulm, MN

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3917	201911312RSTEM-58 202 SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3918	201911312RSTEM-59 GIRLS BATHROOM 1 LEFT BY 232	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3919	201911312RSTEM-60 GIRLS BATHROOM 2 MIDDLE BY 232	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3920	201911312RSTEM-61	< 1 ^ ug/L	15.0	6 Feb 20	RMV

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
---------------	-----------------------	-----------------	-----	------------------	---------

GIRLS BATHROOM 3 RIGHT  
BY 232

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3921	201911312RSTEM-62 BOYS BATHROOM 1 LEFT BY 232	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	---	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3922	201911312RSTEM-63 BOYS BATHROOM 2 MIDDLE BY 232	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	---	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3923	201911312RSTEM-64	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	-------------------	------------	------	----------	-----

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Page: 15

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Date Sampled: 23 Jan 2020  
Temperature at Receipt: 18.9C

PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
---------------	-----------------------	-----------------	-----	------------------	---------

BOYS BATHROOM 3 RIGHT  
BY 232

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3924	201911312RSTEM-65 OUTSIDE 232 WATER COOLER LEFT	< 1 ^ ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3925	201911312RSTEM-66 OUTSIDE 232 WATER COOLER RIGHT	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	--	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3926	201911312RSTEM-67	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	-------------------	------------	------	----------	-----

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
---------------	-----------------------	-----------------	-----	------------------	---------

## OUTSIDE 232 BOTTLE FILLER

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3927	201911312RSTEM-68 321 SINK	2.30 ^ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3928	201911312RSTEM-69 232 SINK	1.86 ^ug/L	15.0	6 Feb 20	RMV
----------	-------------------------------	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3929	201911312RSTEM-70 203 SINK 1 FAR LEFT	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3930	201911312RSTEM-71 203 SINK LEFT	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3931	201911312RSTEM-72 203 SINK RIGHT	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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CERTIFICATION: MN LAB # 027-015-125 ND WW/DW # R-040



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MEMBER

ACIL

Report Date: 11 Feb 2020

HEIDI SOLBERG  
IEA/BROOKLYN PARK  
9201 W BDWY STE #600  
BROOKLYN PARK MN 55445

Work Order #: 12-3795  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 18.9C

PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3932	201911312RSTEM-73 203 SINK FAR RIGHT	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3933	201911312RSTEM-74 211 SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3935	201911312RSTEM-76 OUTSIDE 212 WATER COOLER LEFT	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3937	201911312RSTEM-78 OUTSIDE 212 BOTTLE FILLER	< 1 ^ ug/L	15.0	6 Feb 20	RMV

Approved by:

Dan O'Connell

Chemistry Laboratory Managers New Ulm, MN

David Smahel

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Date Received: 24 Jan 2020  
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Temperature at Receipt: 18.9C

PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3938	201911312RSTEM-79 213 SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3939	201911312RSTEM-80 214 SINK	7.77 ^ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

Page: 20

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Work Order #: 12-3795  
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Purchase Order #: 201911312

Date Received: 24 Jan 2020  
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Temperature at Receipt: 18.9C

PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3940	201911312RSTEM-81 215 SINK	5.07 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3941	201911312RSTEM-82 216 SINK	1.25 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3942	201911312RSTEM-83 217 SINK	34.1 ^ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3943	201911312RSTEM-84 OUTSIDE 217 WATER COOLER LEFT	< 1 ^ ug/L	15.0	6 Feb 20	RMV

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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Work Order #: 12-3795  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 18.9C

PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3944	201911312RSTEM-85 OUTSIDE 217 WATER COOLER RIGHT	< 1 ^ ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3945	201911312RSTEM-86 OUTSIDE 217 BOTTLE FILLER	< 1 ^ ug/L	15.0	6 Feb 20	RMV
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^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

Page: 22

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9201 W BDWY STE #600  
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Work Order #: 12-3795  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 18.9C

PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3946	201911312RSTEM-87 RESTROOM BY MEDIA CENTER	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3947	201911312RSTEM-88 RESTROOM BY 203 SOUTH	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					
20-A3948	201911312RSTEM-89 RESTROOM BY 203 NORTH	< 1 ^ ug/L	15.0	6 Feb 20	RMV
^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.					

Approved by:

Dan O'Connell

Chemistry Laboratory Managers New Ulm, MN

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9201 W BDWY STE #600  
BROOKLYN PARK MN 55445

Work Order #: 12-3795  
Account #: 002190  
Purchase Order #: 201911312

Date Received: 24 Jan 2020  
Date Sampled: 23 Jan 2020  
Temperature at Receipt: 18.9C

PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3949	201911312RSTEM-90 3RD FLOOR SLOP SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

20-A3950	201911312RSTEM-91 2ND FLOOR SLOP SINK	< 1 ^ ug/L	15.0	6 Feb 20	RMV
----------	--	------------	------	----------	-----

^ The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ). This will only impact results that are found to be below the elevated RL. Results above the elevated RL are unaffected.

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Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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Report Date: 12 Feb 2020

HEIDI SOLBERG

IEA/BROOKLYN PARK

9201 W BDWY STE #600

BROOKLYN PARK MN 55445

Work Order #: 12-3795

Account #: 002190

Purchase Order #: 201911312

Date Received: 24 Jan 2020

Date Sampled: 23 Jan 2020

Temperature at Receipt: 18.9C

PROJECT NAME: RICHFIELD STEM

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
20-A3903	201911312RSTEM-44 OUTSIDE 335 BOTTLE FILLER	< 0.5 ug/L	15.0	10 Feb 20	RMV

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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CERTIFICATION: MN LAB # 027-015-125 ND WW/DW # R-040



LEGEND

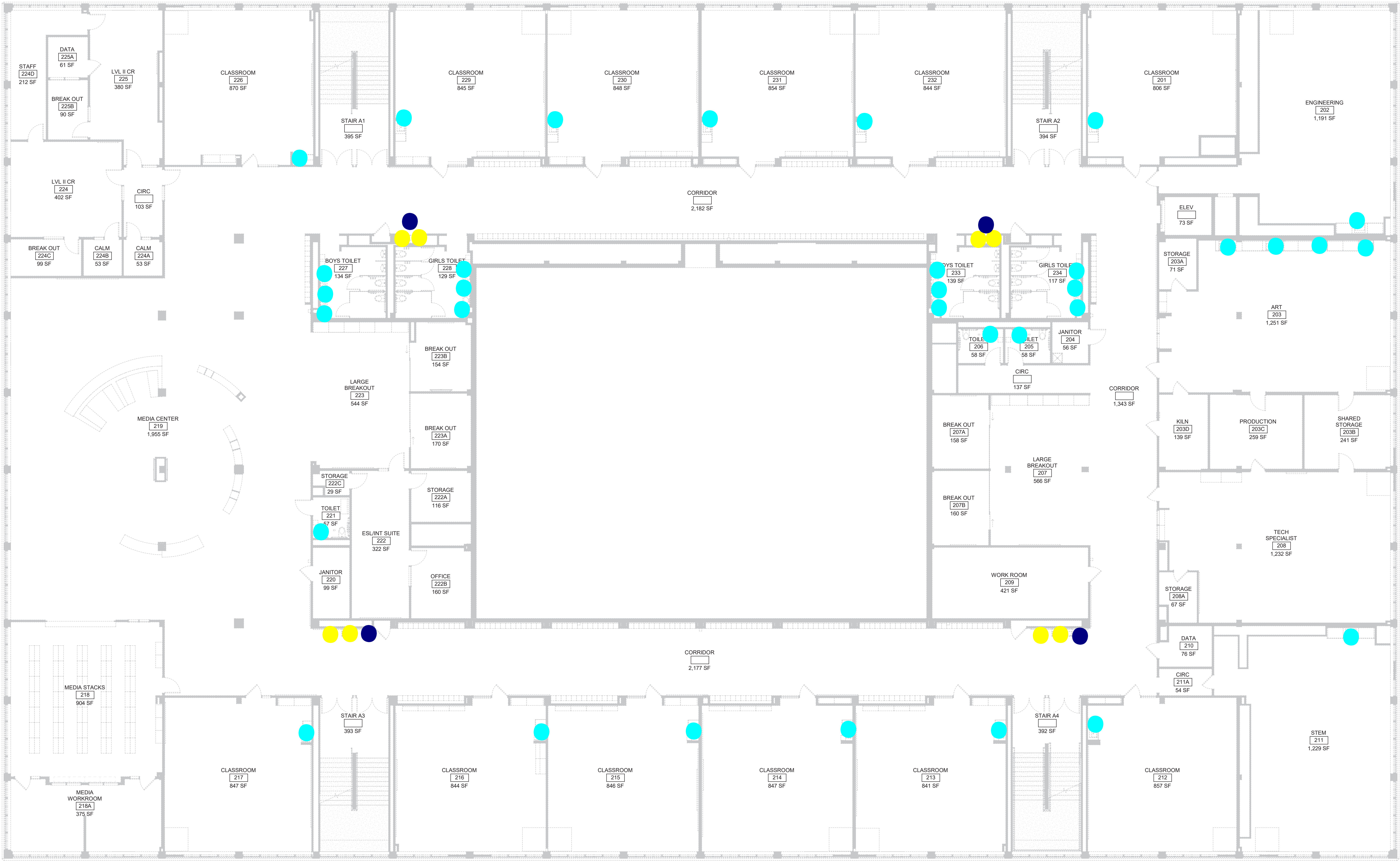
Sink

Water Cooler

Bottle Filler

Independent School District #280

Richfield STEM School - Room Numbering



SECOND LEVEL



- Sink
- Water Cooler
- Bottle Filler

# Richfield STEM School - Room Numbering



## THIRD LEVEL