

December 12, 2018

Dan Kretsinger  
Richfield Public Schools  
7001 Harriet Avenue South  
Richfield, MN 55423



**RE: Lead-in-Water First Draw – Initial Testing  
IEA Project #201811159**

Dear Mr. Kretsinger:

At the request of Richfield Public Schools, IEA collected 409 water samples from identified potable water sources on October 26, 2018, November 13, 2018, November 14, 2018, and November 16, 2018, for lead analyses from the following buildings:

- |                                  |                                       |
|----------------------------------|---------------------------------------|
| • Richfield High School (74)     | • Centennial Elementary (46)          |
| • Richfield Middle School (70)   | • Central Education Center (28)       |
| • Richfield STEM (106)           | • Richfield Dual Language School (39) |
| • Sheridan Hills Elementary (43) | • Transportation Office (3)           |

The purpose of the sampling is to document lead content in the sampled locations and compare to the Richfield Public Schools designated action level of 15 ppb.

## 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.

## METHODOLOGY

IEA collected 409 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.

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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

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 195 ppb. There are 35 sample results greater than the Richfield Public Schools designated action 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**

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)
10262018RHS-24	Richfield High School	Main Office Room Outside 106	Sink	195
10262018RHS-47	Richfield High School	Room 140	Sink	26.2
10262018RHS-49	Richfield High School	Room 137	Sink	65.8
10262018RHS-69	Richfield High School	Room 252	Sink	20.4
10262018RHS-70	Richfield High School	Room 253	Sink	29.4
11142018SHE-39	Sheridan Hills Elementary	Room 149	Sink	19.3
11132018RDL-25	Richfield Dual Language School	Room 118	Drinking Fountain	18.9
11132018RDL-32	Richfield Dual Language School	Room 142	Sink	27.7
11132018RSTEM-4	Richfield STEM School	Kitchen South	Sink	22.6
11132018RSTEM-43	Richfield STEM School	Room 213	Sink	16.6
11132018RSTEM-46	Richfield STEM School	Room 221	Sink	28.8
11132018RSTEM-50	Richfield STEM School	Room 225	Sink	19.4
11132018RSTEM-51	Richfield STEM School	Room 226	Sink	29.1
11132018RSTEM-52	Richfield STEM School	Room 227	Sink	15.5
11132018RSTEM-77	Richfield STEM School	Room 313	Sink	30.3
11132018RSTEM-78	Richfield STEM School	Room 314 North	Sink	15.2
11132018RSTEM-80	Richfield STEM School	Room 315 North	Sink	17.8
11132018RSTEM-81	Richfield STEM School	Room 315 South	Sink	19.2
11132018RSTEM-84	Richfield STEM School	Room 319 South	Sink	53
11132018RSTEM-85	Richfield STEM School	Room 319 North	Sink	24.2
11132018RSTEM-88	Richfield STEM School	Room 320 South	Sink	18.3
11132018RSTEM-89	Richfield STEM School	Room 321	Sink	39.7
11132018RSTEM-92	Richfield STEM School	Room 323 North	Sink	22.2
11132018RSTEM-94	Richfield STEM School	Room 324 North	Sink	25.6
11132018RSTEM-95	Richfield STEM School	Room 324 South	Sink	27.6
11142018RMS-31	Richfield Middle School	Room 116A	Sink	30
11142018RMS-37	Richfield Middle School	Office Storage Room	Sink	27.7
11142018RMS-49	Richfield Middle School	Room 207	Sink	25.6
11142018RMS-52	Richfield Middle School	Room 203 West	Sink	21.3
11142018RMS-53	Richfield Middle School	Room 203 Southwest	Sink	138
11142018RMS-54	Richfield Middle School	Room 203 South Left	Sink	19.4
11142018RMS-55	Richfield Middle School	Room 203 South Right	Sink	21.6
11142018RMS-58	Richfield Middle School	Room 202	Sink	19.4
11142018RMS-76	Richfield Middle School	Room 307	Sink	46.2
11142018RMS-1	Richfield Middle School	Office 1A Shower Room Sink	Sink	25.7

ppb – parts per billion

## RECOMMENDATIONS

IEA recommends implementing one of the following treatment options for the fixtures with elevated lead content.

- Provide bottled water to occupants which meet FDA and state standards. A written statement from the bottled water distributor guaranteeing the standards 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.
  - Conduct flush testing in accordance with EPA guidelines, noting that elevated levels can return quickly following flushing depending upon the age and condition of the plumbing. Replacing the plumbing components and ensuring any repair or replacement is done using only "lead-free" solder can address high lead levels.
  - Existing wires in the building 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 water fixtures not included in the sampling program, including: bathroom taps, hose bibbs, laboratory faucets/sinks or custodial closet sinks.

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 #7571 dated October 17, 2018 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

Reviewed by:



Mary Ferrian  
EH&S Division Manager

DH/khb 12122018

Enc.

# **Appendix A**

## *Laboratory Testing Report*



# 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: 6 Nov 2018

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

Work Order #: 12-17183  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 26 Oct 2018  
Date Sampled: 26 Oct 2018  
Temperature at Receipt: 22.0C

PROJECT NAME: CENTRAL EDU CTR  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A59189	10262018CEC-1 KITCHEN WEST WALL NORTH KS	4.90 ug/L	15.0	1 Nov 18	RMV
18-A59191	10262018CEC-3 ROOM 401 S	11.3 ug/L	15.0	1 Nov 18	RMV
18-A59192	10262018CEC-4 ROOM 402 S	0.88 ug/L	15.0	1 Nov 18	RMV
18-A59193	10262018CEC-5 HALLWAY OUTSIDE ROOM 402A WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59194	10262018CEC-6 ROOM 403 S	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59195	10262018CEC-7 ROOM 404 S	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59196	10262018CEC-8 ROOM 405 S	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59197	10262018CEC-9	< 0.5 ug/L	15.0	1 Nov 18	RMV

Approved by:

Dan O'Connell

Chemistry Laboratory Managers New Ulm, MN

David Smahel

Analyses performed under our Minnesota Department of Health Accreditation conform to the current TNI standards. The reporting limit was elevated for any analyte requiring a dilution as coded below:

@ = Due to sample matrix  
! = Due to sample quantity

# = Due to concentration of other analytes  
+ = Due to internal standard response

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

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	ROOM 406 S				
18-A59198	10262018CEC-10 HALLWAY OUTSIDE ROOM 301D WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59199	10262018CEC-11 ROOM 301 S	2.64 ug/L	15.0	1 Nov 18	RMV
18-A59200	10262018CEC-12 ROOM 302C S	0.58 ug/L	15.0	1 Nov 18	RMV
18-A59201	10262018CEC-13 ROOM OUTSIDE ROOM 303 S	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59202	10262018CEC-14 ROOM 304 S	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59203	10262018CEC-15 ROOM 305 S	0.71 ug/L	15.0	1 Nov 18	RMV
18-A59204	10262018CEC-16 ROOM 306 S	< 0.5 ug/L	15.0	1 Nov 18	RMV

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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Purchase Order #: 201811159

Date Received: 26 Oct 2018  
Date Sampled: 26 Oct 2018  
Temperature at Receipt: 22.0C

PROJECT NAME: CENTRAL EDU CTR  
PROJECT NUMBER: 301811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A59205	10262018CEC-17 HALLWAY OUTSIDE GYM NORTH WC	0.53 ug/L	15.0	1 Nov 18	RMV
18-A59206	10262018CEC-18 HALLWAY OUTSIDE GYM SOUTH WC	0.78 ug/L	15.0	1 Nov 18	RMV
18-A59207	10262018CEC-19 ROOM 201A S	0.76 ug/L	15.0	1 Nov 18	RMV
18-A59208	10262018CEC-20 ROOM 203 S	1.76 ug/L	15.0	1 Nov 18	RMV
18-A59209	10262018CEC-21 HALLWAY OUTSIDE ROOM 203A WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59210	10262018CEC-22 ROOM 204 S	0.52 ug/L	15.0	1 Nov 18	RMV
18-A59211	10262018CEC-23	< 0.5 ug/L	15.0	1 Nov 18	RMV

Approved by:

Dan O'Connell

Chemistry Laboratory Managers New Ulm, MN

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PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	ROOM 205 S				
18-A59212	10262018CEC-24 ROOM 206 S	0.52 ug/L	15.0	1 Nov 18	RMV
18-A59213	10262018CEC-25 ROOM 100C S	0.96 ug/L	15.0	1 Nov 18	RMV
18-A59214	10262018CEC-26 ROOM 103S	0.56 ug/L	15.0	1 Nov 18	RMV
18-A59215	10262018CEC-27 ROOM 104S	1.08 ug/L	15.0	1 Nov 18	RMV
18-A59216	10262018CEC-28 ROOM 105S	1.38 ug/L	15.0	1 Nov 18	RMV
18-A59217	10262018CEC-29 ROOM 106S	1.24 ug/L	15.0	1 Nov 18	RMV

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Chemistry Laboratory Managers New Ulm, MN

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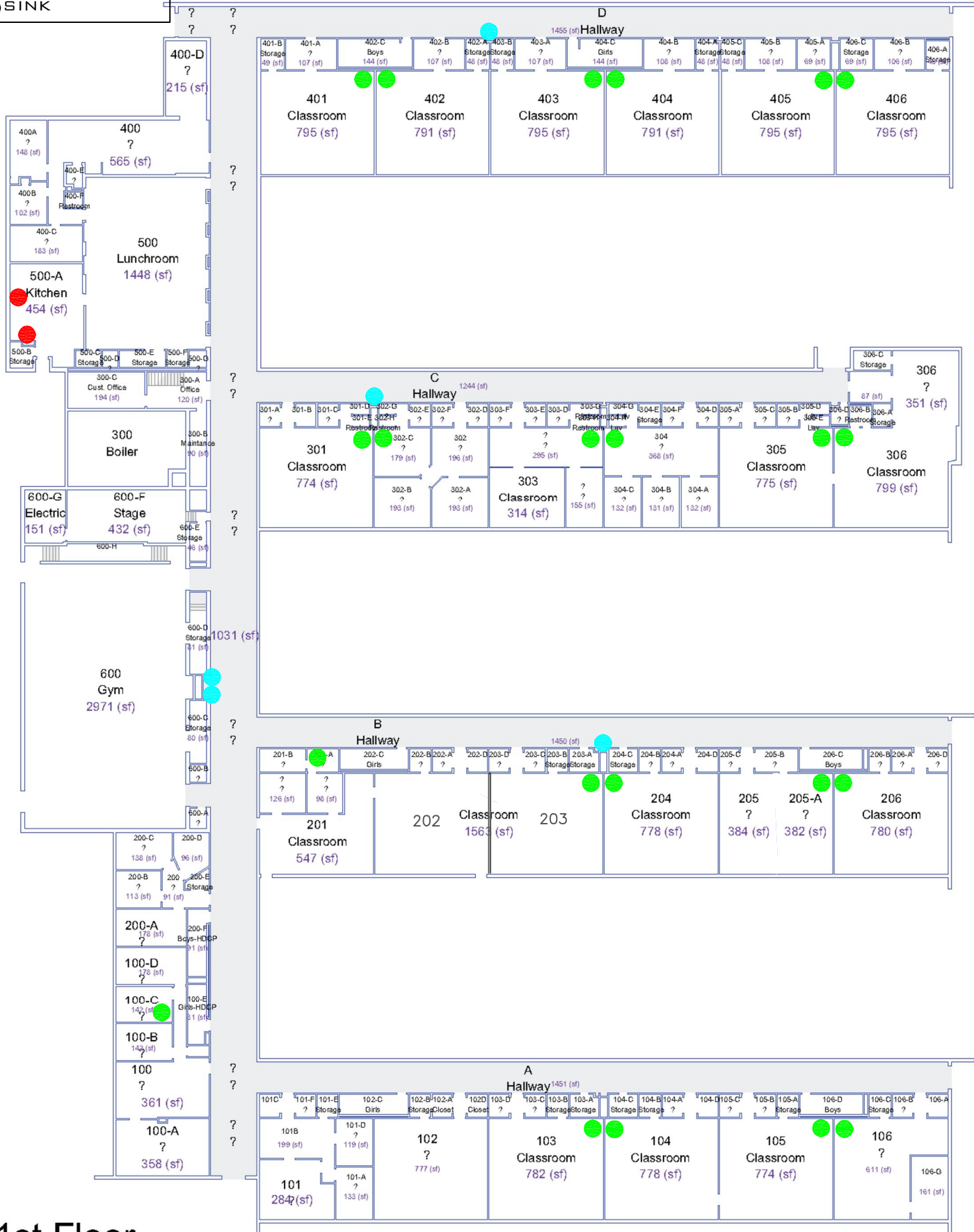
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# LEGEND

- KITCHEN SINK
- WATER COOLER
- SINK



1st Floor



INSTITUTE FOR  
ENVIRONMENTAL ASSESSMENT

9201 West Broadway Brooklyn Park, MN 55445  
Tel: 763.315.7900 Toll Free: 800.233.9513  
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CENTRAL ELEMENTARY SCHOOL  
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IEA/BROOKLYN PARK  
9201 W BDWY STE #600  
BROOKLYN PARK MN 55445

Work Order #: 12-18242  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 16 Nov 2018  
Date Sampled: 16 Nov 2018  
Temperature at Receipt: 17.8C

PROJECT NAME: CENTENNIAL ELEM.  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A65056	11162018RCE-1 KITCHEN E WALL N SINK	3.67 ug/L	15.0	27 Nov 18	RMV
18-A65057	11162018RCE-2 KITCHEN E WALL S SINK	2.58 ug/L	15.0	27 Nov 18	RMV
18-A65058	11162018RCE-3 KITCHEN E WALL SPRAYER	< 0.5 ug/L	15.0	27 Nov 18	RMV
18-A65059	11162018RCE-4 KITCHEN S WALL SPRAYER	0.69 ug/L	15.0	27 Nov 18	RMV
18-A65060	11162018RCE-5 KITCHEN W WALL SINK	3.38 ug/L	15.0	27 Nov 18	RMV
18-A65061	11162018RCE-6 KITCHEN SK	2.82 ug/L	15.0	27 Nov 18	RMV
18-A65062	11162018RCE-7 ROOM 123 DF	1.85 ug/L	15.0	27 Nov 18	RMV
18-A65063	11162018RCE-8 ROOM 122 DF	0.85 ug/L	15.0	27 Nov 18	RMV

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David Smahel

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A65064	11162018RCE-9 ROOM 121 DF	0.80 ug/L	15.0	27 Nov 18	RMV
18-A65065	11162018RCE-10 ROOM 120 DF	0.58 ug/L	15.0	27 Nov 18	RMV
18-A65066	11162018RCE-11 ROOM 119 DF	2.20 ug/L	15.0	27 Nov 18	RMV
18-A65067	11162018RCE-12 ROOM 118 DF	1.72 ug/L	15.0	27 Nov 18	RMV
18-A65068	11162018RCE-13 ROOM 117 DF	< 0.5 ug/L	15.0	27 Nov 18	RMV
18-A65069	11162018RCE-14 ROOM 116 DF	< 0.5 ug/L	15.0	27 Nov 18	RMV
18-A65070	11162018RCE-15 ROOM 114 DF	1.58 ug/L	15.0	27 Nov 18	RMV
18-A65071	11162018RCE-16 ROOM 113 DF	0.82 ug/L	15.0	27 Nov 18	RMV

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PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A65072	11162018RCE-17 ROOM 112 DF	1.63 ug/L	15.0	27 Nov 18	RMV
18-A65073	11162018RCE-18 ROOM 132 DF	0.52 ug/L	15.0	27 Nov 18	RMV
18-A65074	11162018RCE-19 ROOM 134 A SINK	12.1 ug/L	15.0	27 Nov 18	RMV
18-A65075	11162018RCE-20 ROOM 131 DF	< 0.5 ug/L	15.0	27 Nov 18	RMV
18-A65076	11162018RCE-21 ROOM 111 DF	7.59 ug/L	15.0	27 Nov 18	RMV
18-A65077	11162018RCE-22 ROOM 130 DF	0.76 ug/L	15.0	27 Nov 18	RMV
18-A65078	11162018RCE-23 ROOM 110 DF	2.51 ug/L	15.0	27 Nov 18	RMV
18-A65079	11162018RCE-24	1.45 ug/L	15.0	27 Nov 18	RMV

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

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ACIL

Report Date: 29 Nov 2018

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

Work Order #: 12-18242  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 16 Nov 2018  
Date Sampled: 16 Nov 2018  
Temperature at Receipt: 17.8C

PROJECT NAME: CENTENNIAL ELEM.  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	ROOM 109 DF				
18-A65080	11162018RCE-25 ROOM 108 DF	1.20 ug/L	15.0	27 Nov 18	RMV
18-A65081	11162018RCE-26 ROOM 107 SINK	8.21 ug/L	15.0	27 Nov 18	RMV
18-A65082	11162018RCE-27 ROOM 105 SINK	6.26 ug/L	15.0	27 Nov 18	RMV
18-A65083	11162018RCE-28 ROOM 129 DF	0.55 ug/L	15.0	27 Nov 18	RMV
18-A65084	11162018RCE-29 ROOM 104 DF	1.11 ug/L	15.0	27 Nov 18	RMV
18-A65085	11162018RCE-30 ROOM 103 DF	0.71 ug/L	15.0	27 Nov 18	RMV
18-A65086	11162018RCE-31 ROOM 102 DF	3.11 ug/L	15.0	27 Nov 18	RMV

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

Page: 4

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PROJECT NAME: CENTENNIAL ELEM.  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A65087	11162018RCE-32 ROOM 101 SINK	11.3 ug/L	15.0	27 Nov 18	RMV
18-A65088	11162018RCE-33 ROOM 128 DF	< 0.5 ug/L	15.0	27 Nov 18	RMV
18-A65089	11162018RCE-34 ROOM 127 N DF	< 0.5 ug/L	15.0	27 Nov 18	RMV
18-A65090	11162018RCE-35 ROOM 127 S DF	< 0.5 ug/L	15.0	27 Nov 18	RMV
18-A65091	11162018RCE-36 ROOM 126 WC	0.85 ug/L	15.0	27 Nov 18	RMV
18-A65092	11162018RCE-37 ROOM 126 SINK	7.00 ug/L	15.0	27 Nov 18	RMV
18-A65093	11162018RCE-38 ROOM 125 DF	4.79 ug/L	15.0	27 Nov 18	RMV
18-A65094	11162018RCE-39 ROOM 124 DF	6.80 ug/L	15.0	27 Nov 18	RMV

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Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

Page: 5

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



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PROJECT NAME: CENTENNIAL ELEM.  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A65095	11162018RCE-40 ROOM 139 SINK	3.63 ug/L	15.0	27 Nov 18	RMV
18-A65096	11162018RCE-41 ROOM 138 DF	6.91 ug/L	15.0	27 Nov 18	RMV
18-A65097	11162018RCE-42 ROOM 138 SINK	3.05 ug/L	15.0	27 Nov 18	RMV
18-A65098	11162018RCE-43 ROOM 138 WC	< 0.5 ug/L	15.0	27 Nov 18	RMV
18-A65099	11162018RCE-44 OUTSIDE ROOM 139 N WC	< 0.5 ug/L	15.0	27 Nov 18	RMV
18-A65100	11162018RCE-45 OUTSIDE ROOM 139 S WC	< 0.5 ug/L	15.0	27 Nov 18	RMV
18-A65101	11162018RCE-46 OUTSIDE ROOM 139 BF	< 0.5 ug/L	15.0	27 Nov 18	RMV

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David Smahel

Chemistry Laboratory Managers New Ulm, MN

Page: 6

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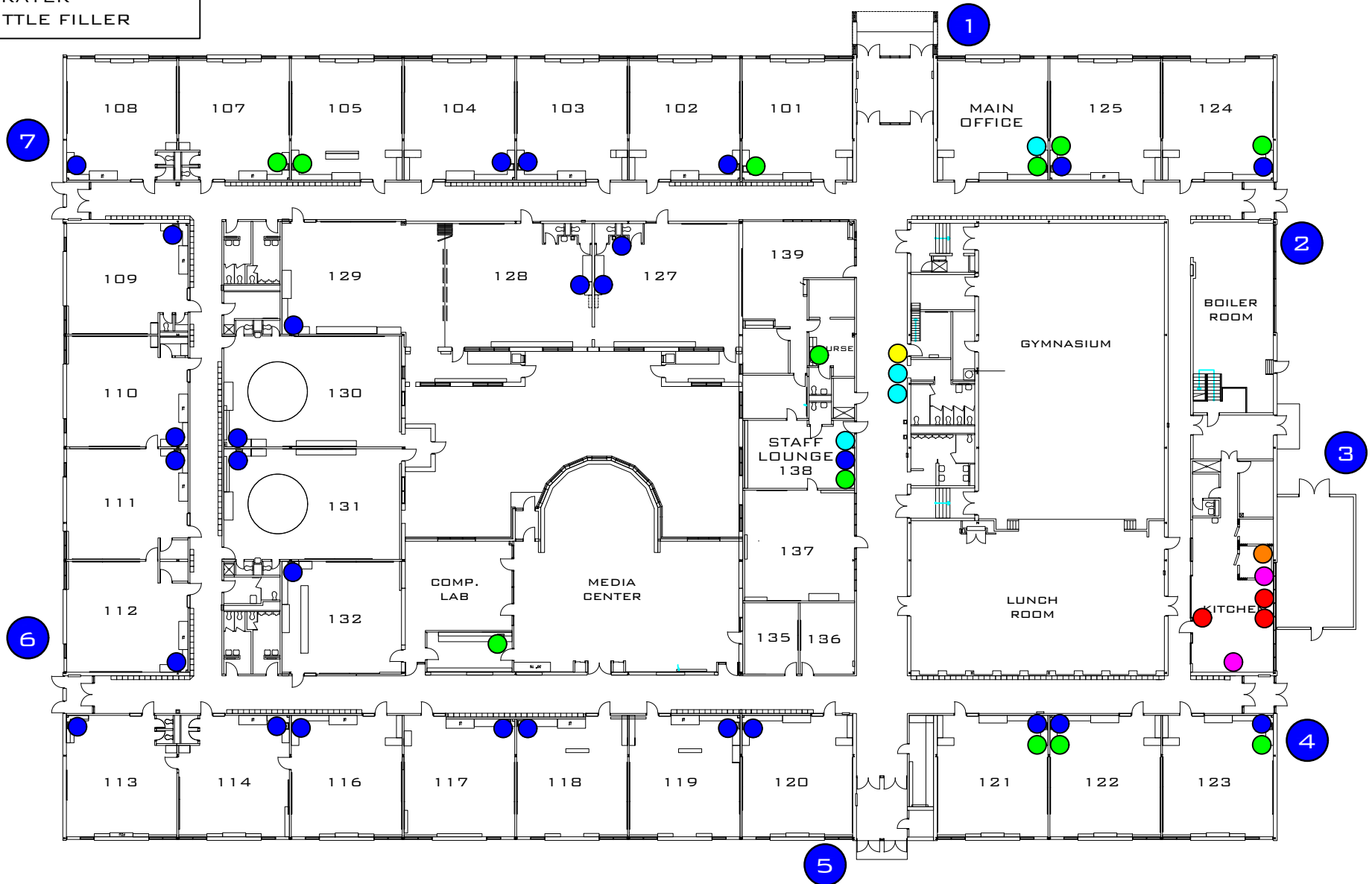
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## LEGEND

- KITCHEN SINK
- WATER COOLER
- DRINKING FOUNTAIN
- SINK
- STEAM KETTLE
- SPRAYER
- BOTTLE FILLER





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Report Date: 28 Nov 2018

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

Work Order #: 12-17994  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 13 Nov 2018  
Date Sampled: 13 Nov 2018  
Temperature at Receipt: 17.3C

PROJECT NAME: RICHFIELD DUAL LANGUAGE  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63384	11132018RDL-1 KITCHEN E WALL N SPRAYER	7.03 ug/L	15.0	20 Nov 18	RMV
18-A63385	11132018RDL-2 KITCHEN E WALL S SPRAYER	0.56 ug/L	15.0	20 Nov 18	RMV
18-A63386	11132018RDL-3 KITCHEN W WALL N SINK	1.82 ug/L	15.0	20 Nov 18	RMV
18-A63387	11132018RDL-6 ROOM 101 SINK	6.43 ug/L	15.0	20 Nov 18	RMV
18-A63388	11132018RDL-7 ROOM 102 DF	1.48 ug/L	15.0	20 Nov 18	RMV
18-A63389	11132018RDL-8 ROOM 103 DF	0.55 ug/L	15.0	20 Nov 18	RMV
18-A63390	11132018RDL-9 ROOM 104 DF	0.92 ug/L	15.0	20 Nov 18	RMV
18-A63391	11132018RDL-10 OUTSIDE ROOM 105 N WC	< 0.5 ug/L	15.0	20 Nov 18	RMV

Approved by:

Dan O'Connell

Chemistry Laboratory Managers New Ulm, MN

David Smahel

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PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63392	11132018RDL-11 OUTSIDE ROOM 105 S WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63393	11132018RDL-12 ROOM 105 DF	2.29 ug/L	15.0	20 Nov 18	RMV
18-A63394	11132018RDL-14 ROOM 107 DF	13.1 ug/L	15.0	20 Nov 18	RMV
18-A63395	11132018RDL-15 ROOM 108 SINK	4.13 ug/L	15.0	20 Nov 18	RMV
18-A63396	11132018RDL-16 ROOM 111 DF	1.43 ug/L	15.0	20 Nov 18	RMV
18-A63397	11132018RDL-17 ROOM 112 DF	1.91 ug/L	15.0	20 Nov 18	RMV
18-A63398	11132018RDL-18 ROOM 113 DF	0.55 ug/L	15.0	20 Nov 18	RMV
18-A63399	11132018RDL-19 ROOM 114 DF	12.5 ug/L	15.0	20 Nov 18	RMV

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Chemistry Laboratory Managers New Ulm, MN

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PROJECT NAME: RICHFIELD DUAL LANGUAGE  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63400	11132018RDL-20 ROOM 115 DF	0.59 ug/L	15.0	20 Nov 18	RMV
18-A63401	11132018RDL-21 ROOM 116 DF	6.98 @ug/L	15.0	27 Nov 18	RMV
18-A63402	11132018RDL-22 ROOM 117 DF	10.6 ug/L	15.0	20 Nov 18	RMV
18-A63403	11132018RDL-23 OUTSIDE ROOM 117 N WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63404	11132018RDL-24 OUTSIDE ROOM 117 S WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63405	11132018RDL-25 ROOM 118 DF	18.9 ug/L	15.0	20 Nov 18	RMV
18-A63406	11132018RDL-26 ROOM 119 DF	11.2 ug/L	15.0	20 Nov 18	RMV
18-A63407	11132018RDL-27	1.75 ug/L	15.0	20 Nov 18	RMV

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Chemistry Laboratory Managers New Ulm, MN

Page: 3

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PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	ROOM 139 SINK				
18-A63408	11132018RDL-28 ROOM 139 WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63409	11132018RDL-29 OUTSIDE ROOM 139 E WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63410	11132018RDL-30 OUTSIDE ROOM 139 W WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63411	11132018RDL-32 ROOM 142 SINK	27.7 ug/L	15.0	20 Nov 18	RMV
18-A63412	11132018RDL-33 ROOM 143 DF	3.45 ug/L	15.0	20 Nov 18	RMV
18-A63413	11132018RDL-34 ROOM 144 SINK	2.37 ug/L	15.0	20 Nov 18	RMV
18-A63414	11132018RDL-35 ROOM 145 SINK	6.79 ug/L	15.0	20 Nov 18	RMV

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Chemistry Laboratory Managers New Ulm, MN

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PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63415	11132018RDL-36 ROOM 146 DF	2.64 ug/L	15.0	20 Nov 18	RMV
18-A63416	11132018RDL-37 OUTSIDE ROOM 146 WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63417	11132018RDL-38 ROOM 147 SINK	7.09 ug/L	15.0	20 Nov 18	RMV
18-A63418	11132018RDL-39 ROOM 148 SINK	8.80 ug/L	15.0	20 Nov 18	RMV
18-A63419	11132018RDL-40 ROOM 149 SINK	8.89 ug/L	15.0	20 Nov 18	RMV
18-A63420	11132018RDL-41 ROOM 150 DF	1.26 ug/L	15.0	20 Nov 18	RMV
18-A63421	11132018RDL-43 ROOM 151 DF	3.65 ug/L	15.0	20 Nov 18	RMV
18-A63425	11132018RDL-44 ROOM 152 DF	1.87 ug/L	15.0	20 Nov 18	RMV

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Chemistry Laboratory Managers New Ulm, MN

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PROJECT NAME: RICHFIELD DUAL LANGUAGE

PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
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Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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Report Date: 27 Nov 2018

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

Work Order #: 12-18126  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 14 Nov 2018  
Date Sampled: 26 Oct 2018  
Temperature at Receipt: 19.2C

PROJECT NAME: RICHFIELD HIGH SCHOOL  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64270	10262018RHS-60 ROOM 113B S	9.61 ug/L	15.0	23 Nov 18	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

- KITCHEN SINK
- WATER COOLER
- DRINKING FOUNTAIN
- SINK
- SPRAYER





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Report Date: 8 Nov 2018

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

Work Order #: 12-17184  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 26 Oct 2018  
Date Sampled: 26 Oct 2018  
Temperature at Receipt: 22.0C

PROJECT NAME: RICHFIELD H.S  
PROJECT NUMBER: 201811159

NOV 13 2018

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A59218	10262018RHS-1 KITCHEN NORTH WALL SPRAYER	0.93 ug/L	15.0	1 Nov 18	RMV
18-A59219	10262018RHS-2 KITCHEN NORTH WALL EAST KS	2.14 ug/L	15.0	1 Nov 18	RMV
18-A59220	10262018RHS-3 KITCHEN NORTH WALL WEST KS	2.33 ug/L	15.0	1 Nov 18	RMV
18-A59221	10262018RHS-4 KITCHEN WEST WALL KS	1.24 ug/L	15.0	1 Nov 18	RMV
18-A59223	10262018RHS-6 KITCHEN MIDDLE BP	0.97 ug/L	15.0	1 Nov 18	RMV
18-A59224	10262018RHS-7 KITCHEN EAST WALL SOUTH SPRAYER	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59225	10262018RHS-8 KITCHEN EAST WALL SOUTH KS	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59226	10262018RHS-9 LUNCH ROOM EAST WALL SOUTH WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59227	10262018RHS-10	< 0.5 ug/L	15.0	1 Nov 18	RMV

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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# MINNESOTA VALLEY TESTING LABORATORIES, INC.

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2 North German St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890  
2616 East Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724  
1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885  
www.mvttl.com



Report Date: 8 Nov 2018

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

Work Order #: 12-17184  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 26 Oct 2018  
Date Sampled: 26 Oct 2018  
Temperature at Receipt: 22.0C

PROJECT NAME: RICHFIELD H.S  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	LUNCH ROOM EAST WALL SOUTH BF				
18-A59228	10262018RHS-11 LUNCH ROOM EAST WALL NORTH WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59229	10262018RHS-12 HALLWAY OUTSIDE AUDITORIUM WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59230	10262018RHS-13 BASEMENT CUSTODIAL BREAK AREA S	0.99 ug/L	15.0	1 Nov 18	RMV
18-A59231	10262018RHS-14 DISTRICT OFFICE ROOM 138S	4.34 ug/L	15.0	1 Nov 18	RMV
18-A59232	10262018RHS-15 DISTRICT OFFICE ROOM 138 HWCD	6.22 ug/L	15.0	1 Nov 18	RMV
18-A59233	10262018RHS-16 DISTRICT OFFICE NEAR RECEPTIONIST OFFICE DF	5.16 ug/L	15.0	1 Nov 18	RMV
18-A59234	10262018RHS-17 DISTRICT OFFICE OUTSIDE BOARD ROOM 150 WC	< 0.5 ug/L	15.0	1 Nov 18	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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18-A59235	10262018RHS-18 DISTRICT OFFICE OUTSIDE BOARD ROOM 150 BF	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59236	10262018RHS-19 DISTRICT OFFICE BREAK ROOM 151 S	4.36 ug/L	15.0	1 Nov 18	RMV
18-A59237	10262018RHS-20 DISTRICT OFFICE BREAK ROOM 151 HWCD	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59238	10262018RHS-21 HALLWAY OUTSIDE MAIN OFFICE 106 WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59239	10262018RHS-22 HALLWAY OUTSIDE MAIN OFFICE 106 BF	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59240	10262018RHS-23 MAIN OFFICE ROOM 116C S	6.33 ug/L	15.0	1 Nov 18	RMV
18-A59241	10262018RHS-24 MAIN OFFICE ROOM OUTSIDE 106 S	195 ~ ug/L	15.0	6 Nov 18	RMV
~Sample diluted due to result above calibration or linear range.					
18-A59242	10262018RHS-25	8.74 ug/L	15.0	1 Nov 18	RMV

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Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

Page: 3

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	ROOM 116 LOUNGE S				
18-A59243	10262018RHS-26 ROOM 120 S	3.97 ug/L	15.0	1 Nov 18	RMV
18-A59244	10262018RHS-27 GYM 1 WEST WALL NORTH WC	1.50 ug/L	15.0	1 Nov 18	RMV
18-A59245	10262018RHS-28 GYM 1 WEST WALL SOUTH WC	1.59 ug/L	15.0	1 Nov 18	RMV
18-A59246	10262018RHS-29 HALLWAY OUTSIDE GYM 7 WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59247	10262018RHS-30 HALLWAY OUTSIDE GYM 5 WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59248	10262018RHS-31 BASEMENT E020 WEIGHT ROOM WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59249	10262018RHS-32 BASEMENT E005 TEAM LOCKER ROOM WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59250	10262018RHS-33 F006 BOYS PHY ED WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59251	10262018RHS-34 F013 BOYS PHY ED OFFICE S	5.24 ug/L	15.0	1 Nov 18	RMV

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Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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PROJECT NAME: RICHFIELD H.S  
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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A59252	10262018RHS-35 F021 GIRLS PHY ED WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59253	10262018RHS-36 F023 GIRLS PHY ED OFFICE S	6.47 ug/L	15.0	1 Nov 18	RMV
18-A59254	10262018RHS-37 HALLWAY OUTSIDE ROOM 181 WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59255	10262018RHS-38 ROOM 181 S	2.08 ug/L	15.0	1 Nov 18	RMV
18-A59256	10262018RHS-39 ROOM 183 S	7.60 ug/L	15.0	1 Nov 18	RMV
18-A59257	10262018RHS-40 ROOM 182 S	1.89 ug/L	15.0	1 Nov 18	RMV
18-A59258	10262018RHS-41 ROOM 184 S	1.44 ug/L	15.0	1 Nov 18	RMV
18-A59259	10262018RHS-42 OUTSIDE ROOM 147 WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59260	10262018RHS-43 ROOM 154 S	1.75 ug/L	15.0	1 Nov 18	RMV

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Chemistry Laboratory Managers New Ulm, MN

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A59261	10262018RHS-44 HALLWAY OUTSIDE 152A WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59262	10262018RHS-45 ROOM 138 NORTH S	7.07 ug/L	15.0	1 Nov 18	RMV
18-A59263	10262018RHS-46 ROOM 138 SOUTH S	7.29 ug/L	15.0	1 Nov 18	RMV
18-A59264	10262018RHS-47 ROOM 140 S	26.2 ug/L	15.0	1 Nov 18	RMV
18-A59265	10262018RHS-48 ROOM 139 S	8.56 ug/L	15.0	1 Nov 18	RMV
18-A59266	10262018RHS-49 ROOM 137 S	65.8 ug/L	15.0	1 Nov 18	RMV
18-A59267	10262018RHS-50 ROOM 135 E WALL NORTH S	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59268	10262018RHS-51 ROOM 135 E WALL SOUTH S	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59269	10262018RHS-52 ROOM 135 S WALL EAST S	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59270	10262018RHS-53 ROOM 135 S WALL MIDDLE S	0.52 ug/L	15.0	1 Nov 18	RMV

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David Smahel

Chemistry Laboratory Managers New Ulm, MN

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Date Sampled: 26 Oct 2018  
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PROJECT NAME: RICHFIELD H.S  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A59271	10262018RHS-54 ROOM 135 S WALL WEST S	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59272	10262018RHS-55 ROOM 135 W WALL SOUTH S	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59273	10262018RHS-56 ROOM 135 W WALL NORTH S	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59274	10262018RHS-57 ROOM 125 GUIDANCE OFFICE KITCHEN S	3.43 ug/L	15.0	1 Nov 18	RMV
18-A59275	10262018RHS-58 HALLWAY OUTSIDE ROOM 101 WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59276	10262018RHS-59 ROOM 113A S  Comments: NO SAMPLE	4.32 ug/L	15.0	1 Nov 18	RMV
18-A59278	10262018RHS-61 HALLWAY OUTSIDE 226 BAND WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59279	10262018RHS-62 ROOM 202 DF	13.6 ug/L	15.0	1 Nov 18	RMV
18-A59280	10262018RHS-63	2.10 ug/L	15.0	1 Nov 18	RMV

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David Smahel

Chemistry Laboratory Managers New Ulm, MN

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	ROOM 202 S				
18-A59281	10262018RHS-64 ROOM 203 S	6.01 ug/L	15.0	1 Nov 18	RMV
18-A59282	10262018RHS-65 HALLWAY OUTSIDE ROOM 209 WC	0.51 ug/L	15.0	1 Nov 18	RMV
18-A59283	10262018RHS-66 HALLWAY OUTSIDE ROOM 281 WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59284	10262018RHS-67 HALLWAY OUTSIDE ROOM 257 WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59285	10262018RHS-68 ROOM 251 S	3.65 ug/L	15.0	1 Nov 18	RMV
18-A59286	10262018RHS-69 ROOM 252 S	20.4 ug/L	15.0	1 Nov 18	RMV
18-A59287	10262018RHS-70 ROOM 253 S	29.4 ug/L	15.0	1 Nov 18	RMV
18-A59288	10262018RHS-71 ROOM 245 S	3.67 ug/L	15.0	1 Nov 18	RMV
18-A59289	10262018RHS-72	< 0.5 ug/L	15.0	1 Nov 18	RMV

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Chemistry Laboratory Managers New Ulm, MN

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	HALLWAY OUTSIDE ROOM 381 WC				
18-A59290	10262018RHS-73 HALLWAY OUTSIDE ROOM 309 WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59291	10262018RHS-74 HALLWAY OUTSIDE ROOM 357 WC	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59292	10262018RHS-75 ROOM 116C HWCD	5.09 ug/L	15.0	1 Nov 18	RMV

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MEMBER

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Report Date: 29 Nov 2018

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

Work Order #: 12-18123  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 14 Nov 2018  
Date Sampled: 14 Nov 2018  
Temperature at Receipt: 17.3C

PROJECT NAME: RICHFIELD MIDDLE SCHOOL  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64163	11142018RMS-1 OFFICE 1A SHOWER ROOM SINK	25.7 ug/L	15.0	23 Nov 18	RMV
18-A64164	11142018RMS-2 OFFICE 2 SINK	1.22 ug/L	15.0	23 Nov 18	RMV
18-A64165	11142018RMS-3 OUTSIDE ROOM M-11 WC	2.41 ug/L	15.0	23 Nov 18	RMV
18-A64166	11142018RMS-4 KITCHEN N SINK	8.84 ug/L	15.0	23 Nov 18	RMV
18-A64167	11142018RMS-5 KITCHEN S SINK	3.06 ug/L	15.0	23 Nov 18	RMV
18-A64168	11142018RMS-6 KITCHEN E SINK	4.01 ug/L	15.0	23 Nov 18	RMV
18-A64169	11142018RMS-7 KITCHEN E SPRAYER	3.67 ug/L	15.0	23 Nov 18	RMV
18-A64171	11142018RMS-8 DISH ROOM SPRAYER	1.40 ug/L	15.0	23 Nov 18	RMV

Approved by:

Dan O'Connell

Chemistry Laboratory Managers New Ulm, MN

David Smahel

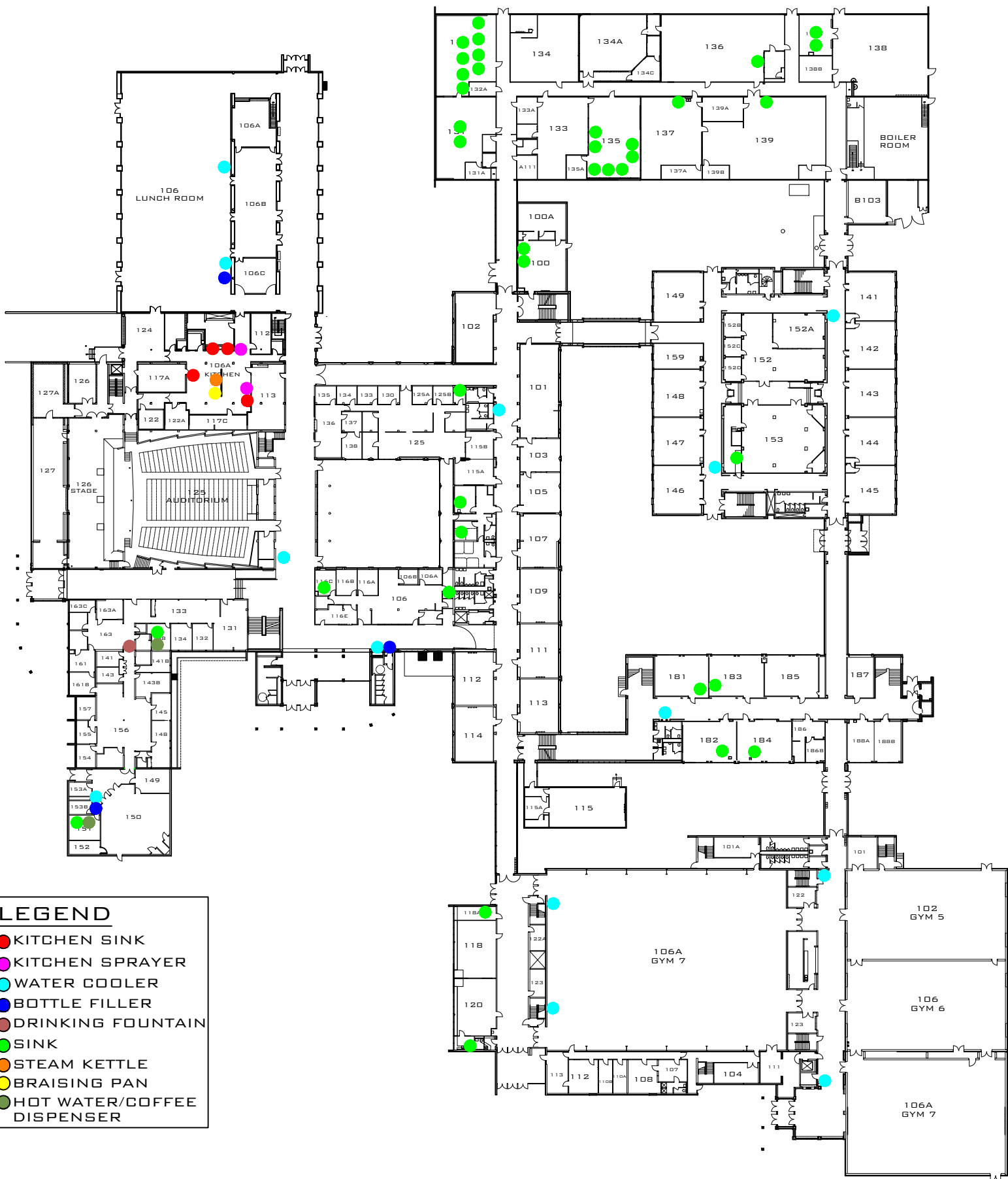
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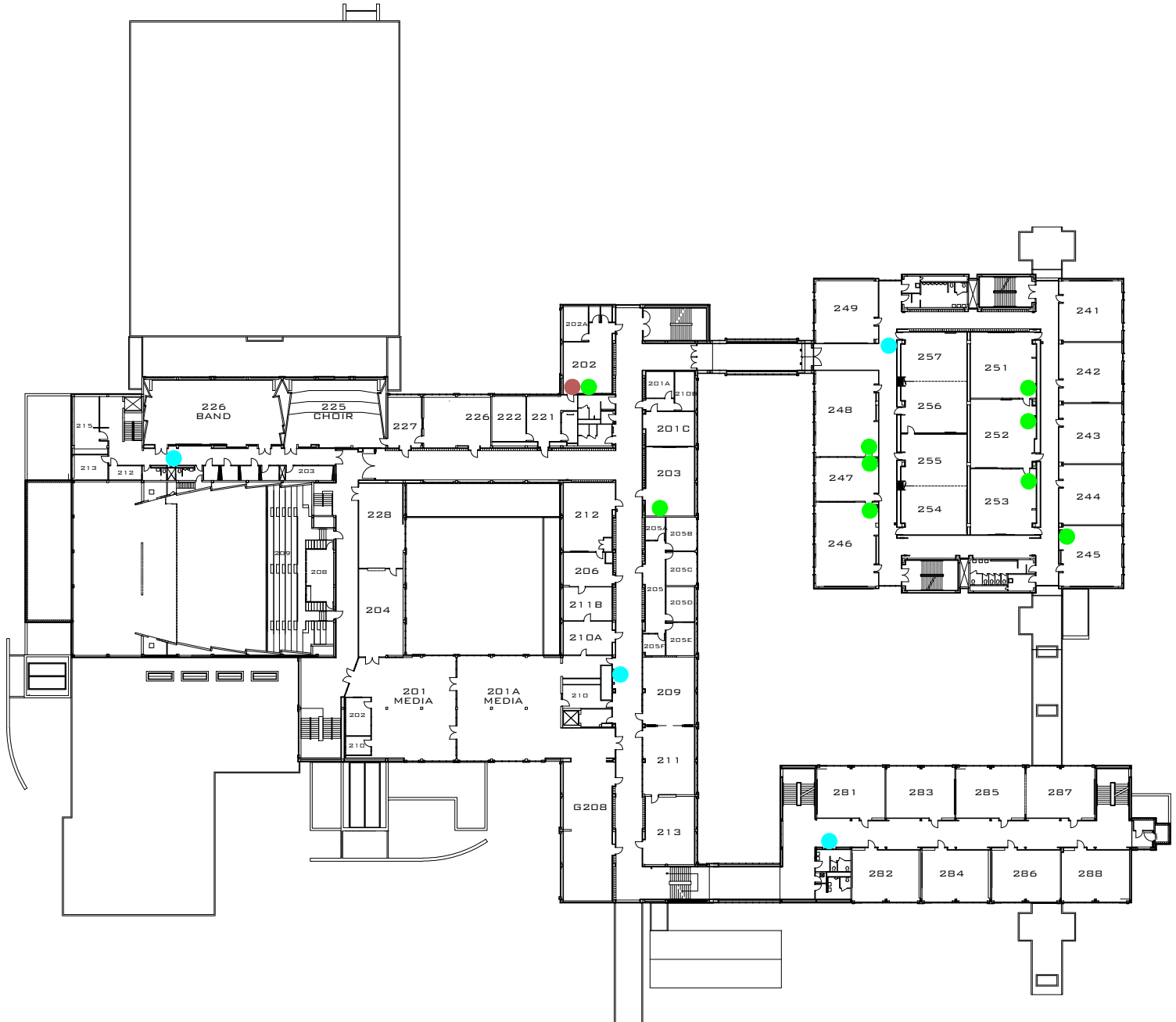


**LEGEND**

- KITCHEN SINK
- KITCHEN SPRAYER
- WATER COOLER
- BOTTLE FILLER
- DRINKING FOUNTAIN
- SINK
- STEAM KETTLE
- BRAISING PAN
- HOT WATER/COFFEE DISPENSER

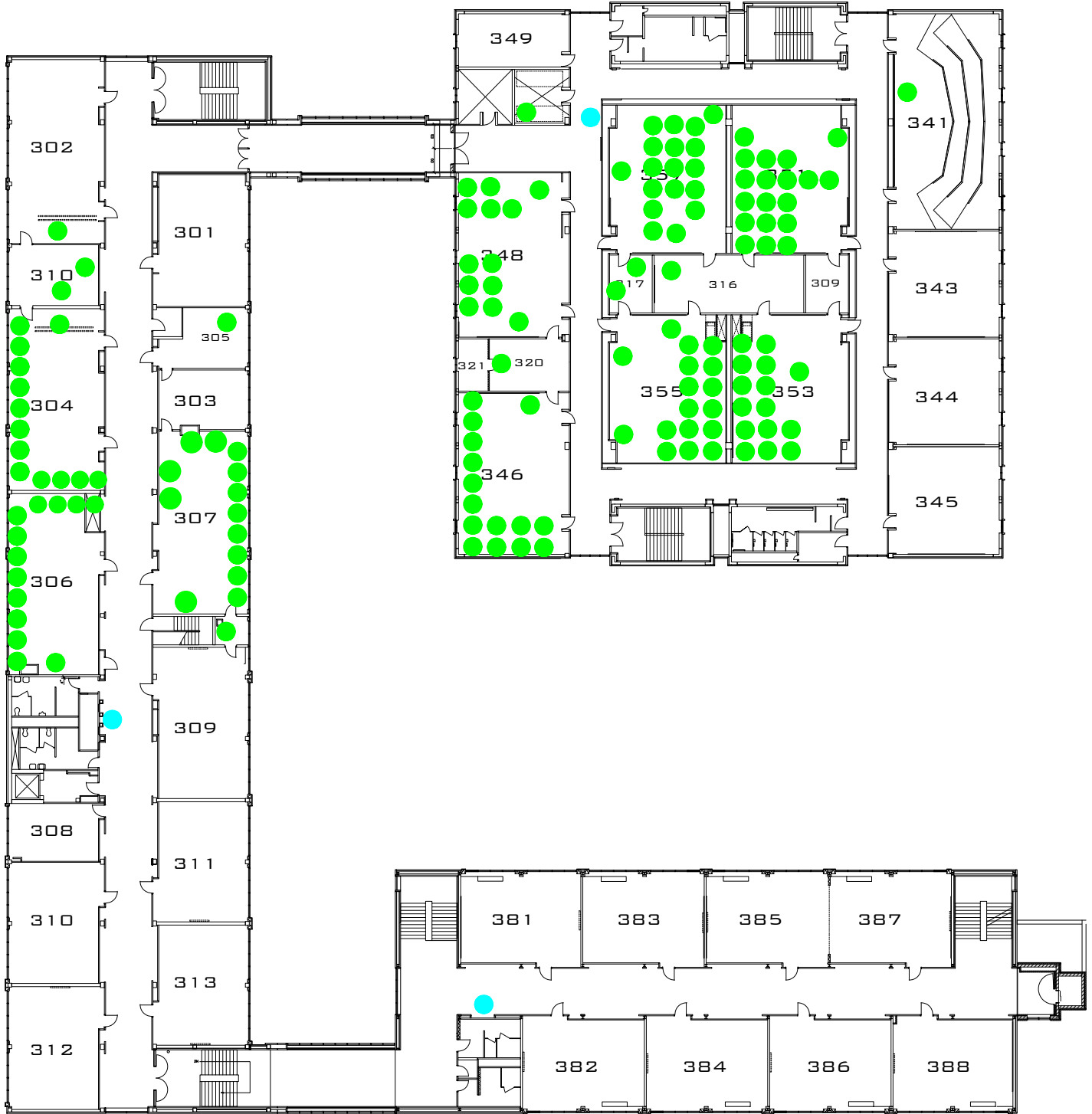
## LEGEND

- WATER COOLER
- SINK
- DRINKING FOUNTAIN



# LEGEND

- WATER COOLER
- SINK





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MEMBER

ACIL

Report Date: 29 Nov 2018

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

Work Order #: 12-18123  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 14 Nov 2018  
Date Sampled: 14 Nov 2018  
Temperature at Receipt: 17.3C

PROJECT NAME: RICHFIELD MIDDLE SCHOOL  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64172	11142018RMS-9 DISH ROOM SINK	4.64 ug/L	15.0	23 Nov 18	RMV
18-A64173	11142018RMS-10 POOL ROOM DF	2.18 ug/L	15.0	23 Nov 18	RMV
18-A64174	11142018RMS-11 BOYS POOL LOCKERS WC	2.99 ug/L	15.0	23 Nov 18	RMV
18-A64175	11142018RMS-12 GIRLS POOL LOCKERS WC	3.94 ug/L	15.0	23 Nov 18	RMV
18-A64176	11142018RMS-13 OUTSIDE BOYS BATHROOM BY POOL WC	3.82 ug/L	15.0	23 Nov 18	RMV
18-A64177	11142018RMS-14 NORTH HALLWAY OF LUNCHROOM DF	1.60 ug/L	15.0	23 Nov 18	RMV

Approved by:

Dan O'Connell

Chemistry Laboratory Managers New Ulm, MN

David Smahel

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





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PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64178	11142018RMS-15 SOUTH HALLWAY OF LUNCHROOM DF	0.56 ug/L	15.0	23 Nov 18	RMV
18-A64179	11142018RMS-16 ROOM 101 SINK	7.03 ug/L	15.0	23 Nov 18	RMV
18-A64180	11142018RMS-17 OUTSIDE ROOM 101 N WC	11.6 ug/L	15.0	23 Nov 18	RMV
18-A64181	11142018RMS-18 OUTSIDE ROOM 101 S WC	0.55 ug/L	15.0	23 Nov 18	RMV
18-A64182	11142018RMS-19 ROOM 103 DF	12.1 ug/L	15.0	23 Nov 18	RMV
18-A64183	11142018RMS-20 ROOM 106 SINK	5.78 ug/L	15.0	23 Nov 18	RMV
18-A64184	11142018RMS-21 ROOM 107 SINK	3.54 ug/L	15.0	23 Nov 18	RMV
18-A64185	11142018RMS-22	< 0.5 ug/L	15.0	23 Nov 18	RMV

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Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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Report Date: 29 Nov 2018

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

Work Order #: 12-18123  
Account #: 002190  
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Date Received: 14 Nov 2018  
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Temperature at Receipt: 17.3C

PROJECT NAME: RICHFIELD MIDDLE SCHOOL  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	OUTSIDE ROOM 107 N WC				
18-A64186	11142018RMS-24 OUTSIDE ROOM 107 BF	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64187	11142018RMS-25 ROOM 109 SINK	3.68 ug/L	15.0	23 Nov 18	RMV
18-A64188	11142018RMS-27 GYM 4 WC	0.71 ug/L	15.0	23 Nov 18	RMV
18-A64189	11142018RMS-29 OUTSIDE ROOM 112 S WC	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64190	11142018RMS-30 OUTSIDE ROOM 112 BF	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64191	11142018RMS-31 ROOM 116A SINK	30.0 ug/L	15.0	23 Nov 18	RMV
18-A64192	11142018RMS-32 ROOM 123C SINK	9.61 ug/L	15.0	23 Nov 18	RMV

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David Smahel

Chemistry Laboratory Managers New Ulm, MN

Page: 4

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Work Order #: 12-18123  
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PROJECT NAME: RICHFIELD MIDDLE SCHOOL  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64193	11142018RMS-34 OUTSIDE ROOM 122 S WC	2.01 ug/L	15.0	23 Nov 18	RMV
18-A64194	11142018RMS-35 OUTSIDE ROOM 122 BF	1.92 ug/L	15.0	23 Nov 18	RMV
18-A64195	11142018RMS-36 OFFICE LOUNGE SINK	3.16 ug/L	15.0	23 Nov 18	RMV
18-A64196	11142018RMS-37 OFFICE STORAGE ROOM SINK	27.7 ug/L	15.0	23 Nov 18	RMV
18-A64197	11142018RMS-38 OUTSIDE AUDITORIUM E WC	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64198	11142018RMS-39 OUTSIDE AUDITORIUM W WC	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64199	11142018RMS-40 OUTSIDE ROOM 221A N WC	2.73 ug/L	15.0	23 Nov 18	RMV
18-A64200	11142018RMS-41 OUTSIDE ROOM 221A S WC	3.03 ug/L	15.0	23 Nov 18	RMV

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Chemistry Laboratory Managers New Ulm, MN

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PROJECT NAME: RICHFIELD MIDDLE SCHOOL  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64201	11142018RMS-42 ROOM S-23 DF	1.36 ug/L	15.0	23 Nov 18	RMV
18-A64202	11142018RMS-44 OUTSIDE ROOM 213 S WC	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64203	11142018RMS-45 OUTSIDE ROOM 213 BF	0.51 ug/L	15.0	23 Nov 18	RMV
18-A64204	11142018RMS-46 OUTSIDE ROOM 209 N WC	1.75 ug/L	15.0	23 Nov 18	RMV
18-A64205	11142018RMS-47 OUTSIDE ROOM 209 S WC	1.84 ug/L	15.0	23 Nov 18	RMV
18-A64206	11142018RMS-48 OUTSIDE ROOM 209 BF	1.43 ug/L	15.0	23 Nov 18	RMV
18-A64207	11142018RMS-49 ROOM 207 SINK	25.6 ug/L	15.0	23 Nov 18	RMV
18-A64208	11142018RMS-50	0.69 ug/L	15.0	23 Nov 18	RMV

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David Smahel

Chemistry Laboratory Managers New Ulm, MN

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PROJECT NAME: RICHFIELD MIDDLE SCHOOL  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	ROOM 203 ISLAND SINK				
18-A64209	11142018RMS-52 ROOM 203 W SINK	21.3 ug/L	15.0	23 Nov 18	RMV
18-A64210	11142018RMS-53 ROOM 203 SW SINK	138 ~ ug/L	15.0	28 Nov 18	RMV
~Sample diluted due to result above calibration or linear range.					
18-A64211	11142018RMS-54 ROOM 203 S LEFT SINK	19.4 ug/L	15.0	23 Nov 18	RMV
18-A64212	11142018RMS-55 ROOM 203 S RIGHT SINK	21.6 ug/L	15.0	23 Nov 18	RMV
18-A64213	11142018RMS-56 ROOM 203 SE SINK	11.0 ug/L	15.0	23 Nov 18	RMV
18-A64214	11142018RMS-57 ROOM 203 E SINK	3.04 ug/L	15.0	23 Nov 18	RMV
18-A64215	11142018RMS-58	19.4 ug/L	15.0	23 Nov 18	RMV

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Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

Page: 7

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Report Date: 29 Nov 2018

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

Work Order #: 12-18123  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 14 Nov 2018  
Date Sampled: 14 Nov 2018  
Temperature at Receipt: 17.3C

PROJECT NAME: RICHFIELD MIDDLE SCHOOL  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	ROOM 202 SINK				
18-A64216	11142018RMS-59 OUTSIDE ROOM 204 N WC	1.68 ug/L	15.0	23 Nov 18	RMV
18-A64217	11142018RMS-60 OUTSIDE ROOM 204 S WC	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64218	11142018RMS-61 OUTSIDE ROOM 322 N WC	1.73 ug/L	15.0	23 Nov 18	RMV
18-A64219	11142018RMS-62 OUTSIDE ROOM 322 S WC	1.41 ug/L	15.0	23 Nov 18	RMV
18-A64220	11142018RMS-63 OUTSIDE ROOM 322 BF	1.84 ug/L	15.0	23 Nov 18	RMV
18-A64221	11142018RMS-64 OUTSIDE ROOM 313 N WC	2.67 ug/L	15.0	23 Nov 18	RMV
18-A64222	11142018RMS-65 OUTSIDE ROOM 313 S WC	< 0.5 ug/L	15.0	23 Nov 18	RMV

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Dan O'Connell

Chemistry Laboratory Managers New Ulm, MN

David Smahel

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Date Received: 14 Nov 2018  
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PROJECT NAME: RICHFIELD MIDDLE SCHOOL  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64223	11142018RMS-66 OUTSIDE ROOM 313 BF	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64224	11142018RMS-67 OUTSIDE ROOM 308 N WC	0.67 ug/L	15.0	23 Nov 18	RMV
18-A64225	11142018RMS-69 OUTSIDE ROOM 308 BF	0.78 ug/L	15.0	23 Nov 18	RMV
18-A64226	11142018RMS-70 OUTSIDE ROOM 301 N WC	1.16 ug/L	15.0	23 Nov 18	RMV
18-A64227	11142018RMS-71 OUTSIDE ROOM 301 S WC	3.39 ug/L	15.0	23 Nov 18	RMV
18-A64228	11142018RMS-72 ROOM 302 SINK	7.66 ug/L	15.0	23 Nov 18	RMV
18-A64229	11142018RMS-73 ROOM 303 SINK	3.92 ug/L	15.0	23 Nov 18	RMV
18-A64230	11142018RMS-74 ROOM 305 W SINK	6.47 ug/L	15.0	23 Nov 18	RMV

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Chemistry Laboratory Managers New Ulm, MN

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PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64231	11142018RMS-75 ROOM 305 E SINK	3.66 ug/L	15.0	23 Nov 18	RMV
18-A64232	11142018RMS-76 ROOM 307 SINK	46.2 ug/L	15.0	23 Nov 18	RMV
18-A64233	11142018RMS-77 OUTSIDE BOYS BATHROOM BY POOL BF	3.80 ug/L	15.0	23 Nov 18	RMV

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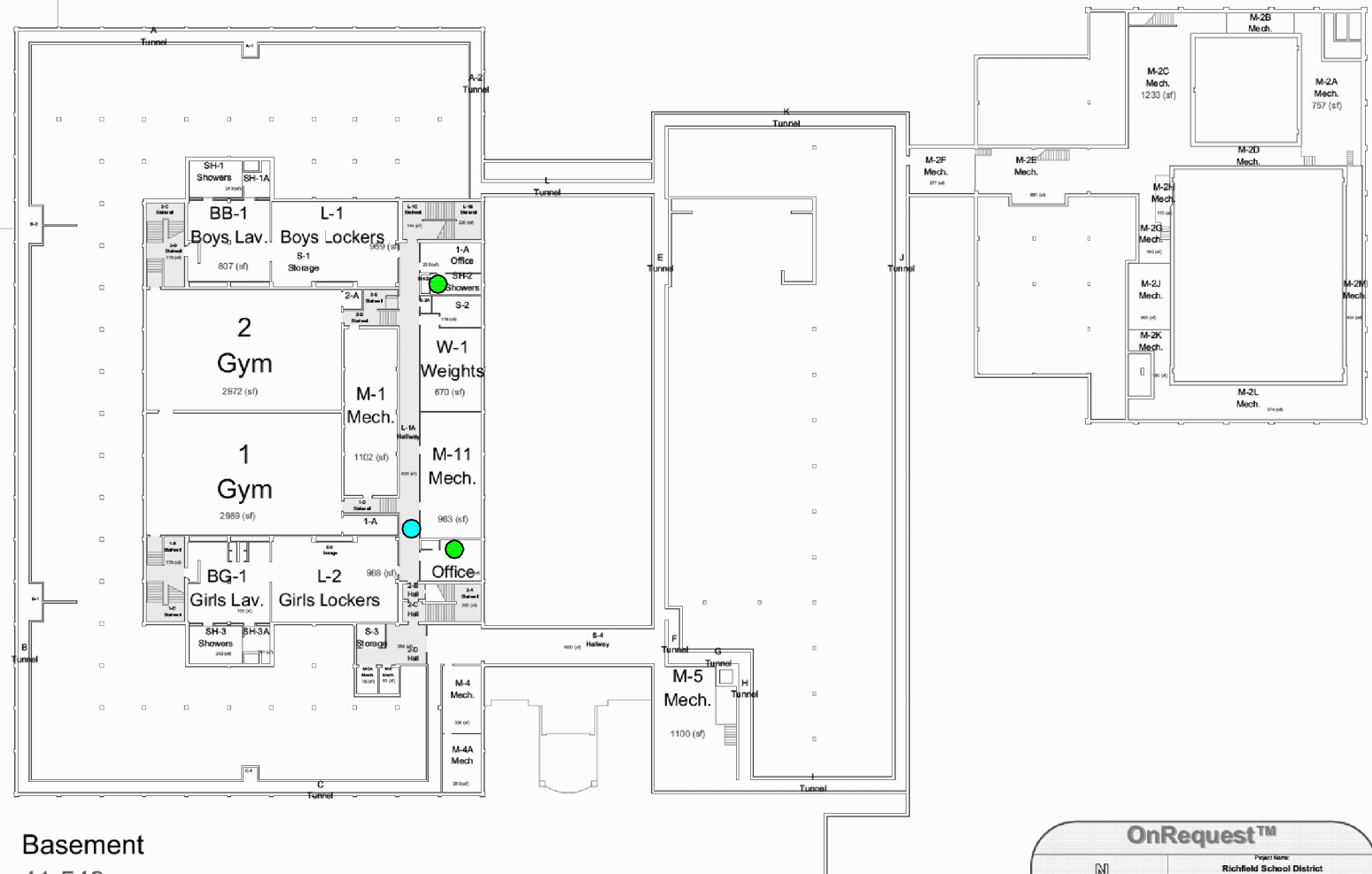
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## LEGEND

- KITCHEN SINK
- WATER COOLER
- DRINKING FOUNTAIN
- SINK
- SPRAYER



Basement  
41,549

<b>OnRequest™</b>	
Project Name: <b>Richfield School District</b>	
City: <b>Richfield MS</b>	
Drawing Title: <b>Floor Plan (Typical)</b>	
Drawn By: <b>AJT</b>	Client: <b>CAFM-00</b>
Scale: <b>1" = 30'-0"</b>	Sheet Number: <b>CAFM-00</b>

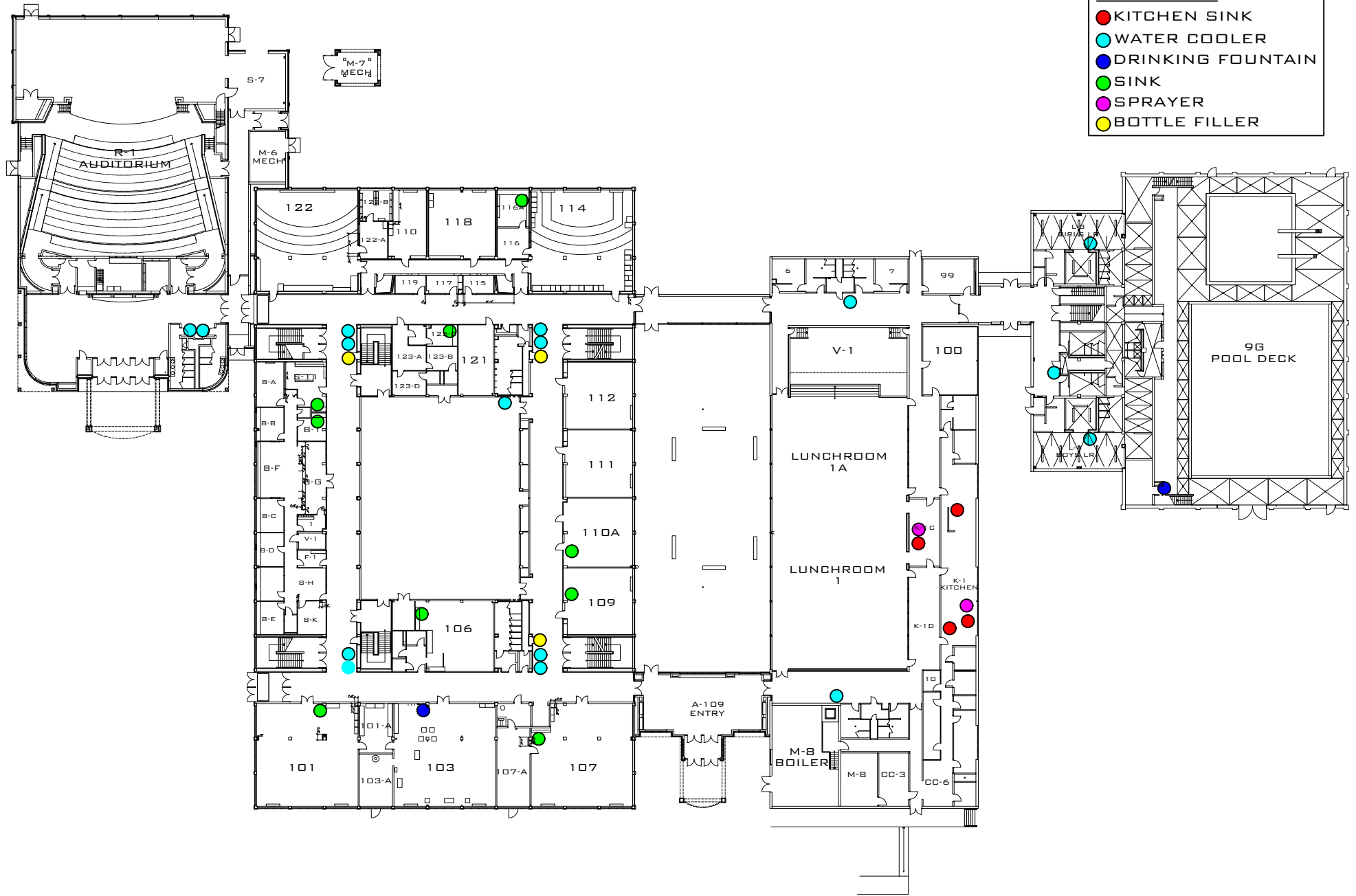


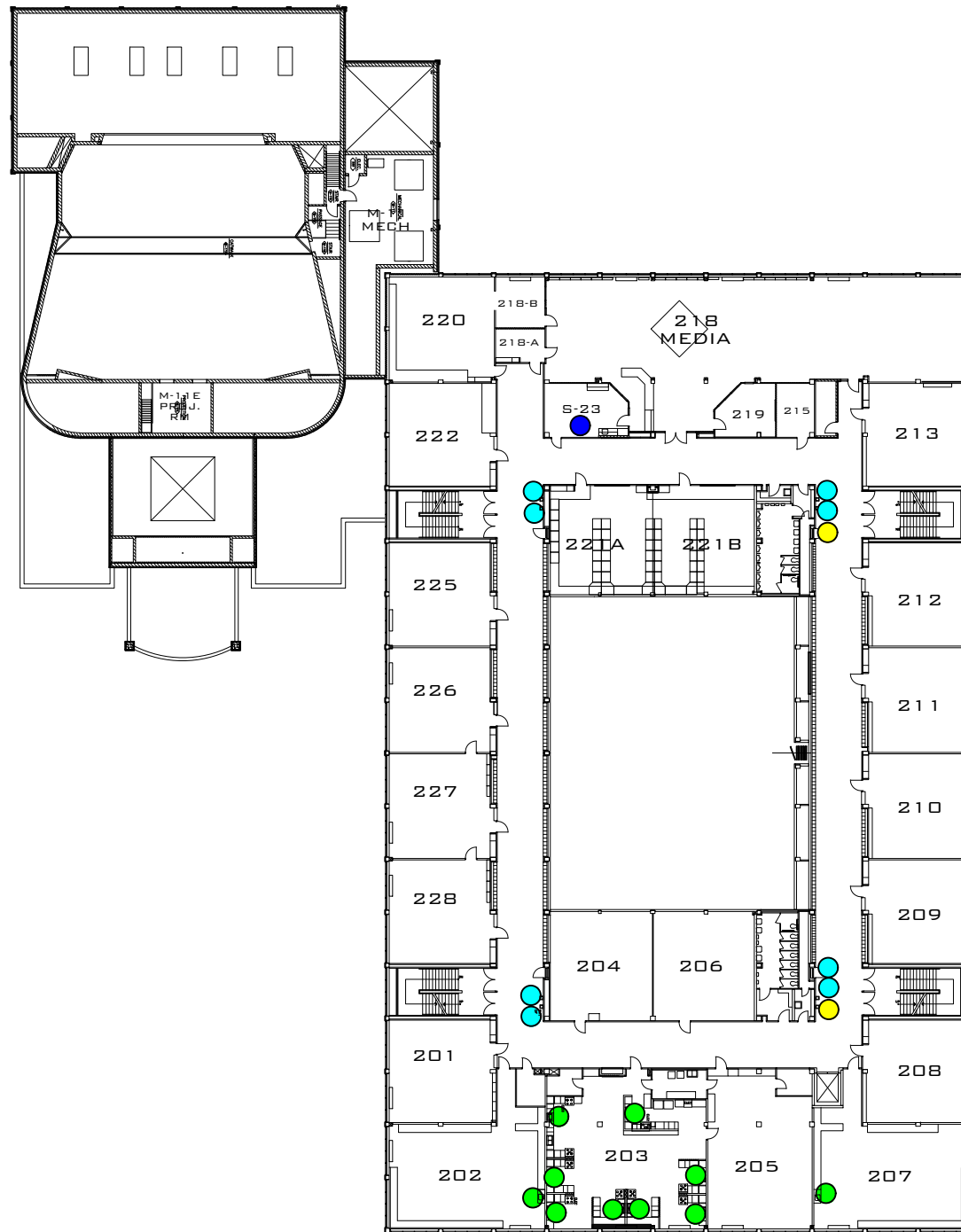
INSTITUTE FOR  
ENVIRONMENTAL ASSESSMENT

9201 West Broadway Brooklyn Park, MN 55445  
Tel: 763.315.7900 Toll Free: 800.233.9513  
Fax: 763.315.7920

**RICHFIELD MIDDLE SCHOOL**  
BASEMENT LEVEL FLOOR PLAN NOV 2013

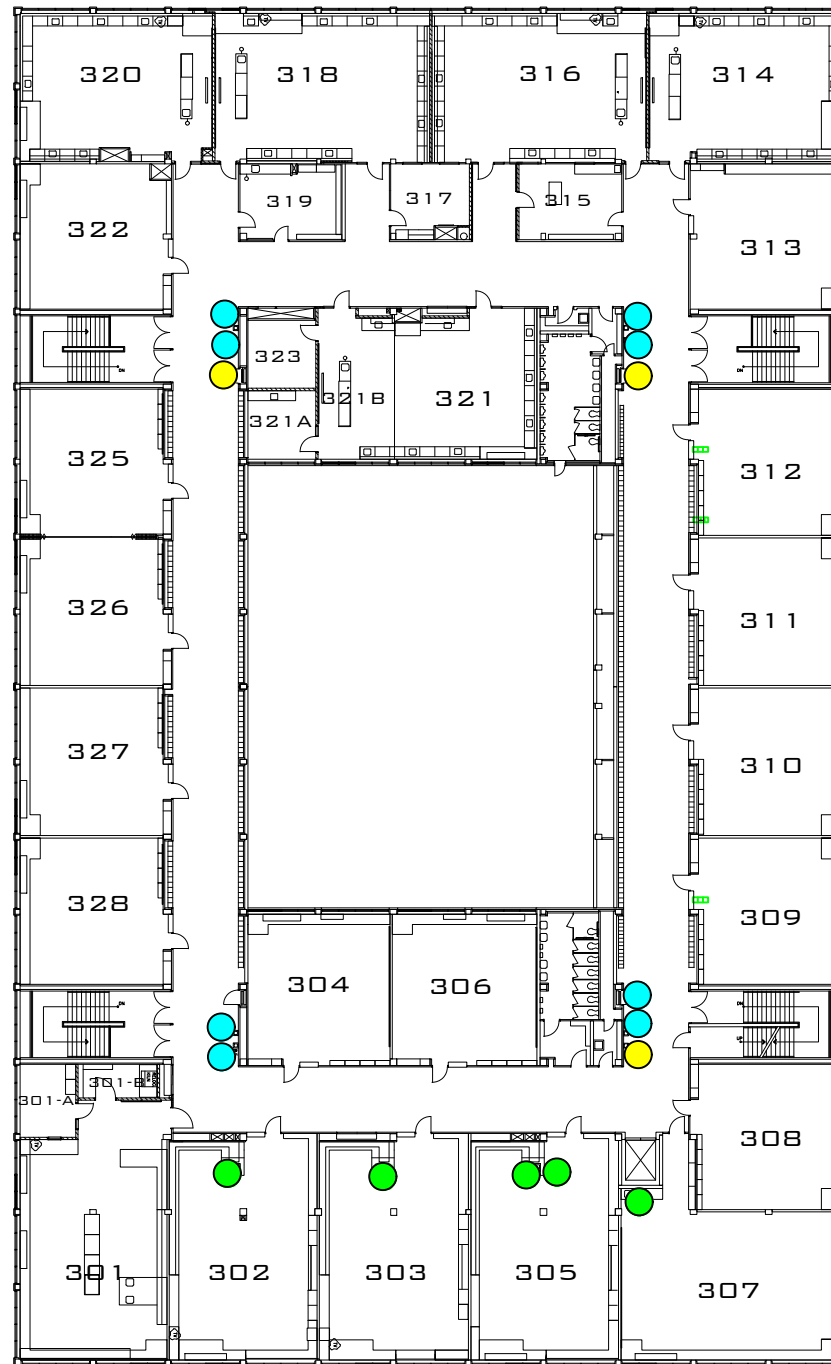






LEGEND	
<span style="color: red;">●</span>	KITCHEN SINK
<span style="color: cyan;">●</span>	WATER COOLER
<span style="color: blue;">●</span>	DRINKING FOUNTAIN
<span style="color: green;">●</span>	SINK
<span style="color: magenta;">●</span>	SPRAYER
<span style="color: yellow;">●</span>	BOTTLE FILLER





**LEGEND**

- KITCHEN SINK
- WATER COOLER
- DRINKING FOUNTAIN
- SINK
- SPRAYER
- BOTTLE FILLER





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MEMBER

ACIL

Report Date: 28 Nov 2018

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

Work Order #: 12-17992  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 13 Nov 2018  
Date Sampled: 13 Nov 2018  
Temperature at Receipt: 17.3C

PROJECT NAME: RICHFIELD STEM  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63284	11132018RSTEM-1 KITCHEN NE SINK	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63285	11132018RSTEM-2 KITCHEN NW SINK	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63286	11132018RSTEM-3 KITCHEN NW SPRAYER	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63287	11132018RSTEM-4 KITCHEN SOUTH SINK	22.6 ug/L	15.0	20 Nov 18	RMV
18-A63288	11132018RSTEM-5 KITCHEN NORTH SINK	1.92 ug/L	15.0	20 Nov 18	RMV
18-A63289	11132018RSTEM-7 DISH ROOM SPRAYER	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63290	11132018RSTEM-8 DISH ROOM SINK	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63291	11132018RSTEM-9 ROOM 137 SINK	< 0.5 ug/L	15.0	20 Nov 18	RMV

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Report Date: 28 Nov 2018

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

Work Order #: 12-17992  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 13 Nov 2018  
Date Sampled: 13 Nov 2018  
Temperature at Receipt: 17.3C

PROJECT NAME: RICHFIELD STEM  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63292	11132018RSTEM-10 HALLWAY OUTSIDE POOL WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63293	11132018RSTEM-12 ROOM 100 SINK	8.80 ug/L	15.0	20 Nov 18	RMV
18-A63294	11132018RSTEM-13 OUTSIDE ROOM 104 SINK	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63295	11132018RSTEM-14 ROOM 106 SINK	5.51 ug/L	15.0	20 Nov 18	RMV
18-A63296	11132018RSTEM-15 ROOM 109 SINK	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63297	11132018RSTEM-16 ROOM 110 N SINK	3.51 ug/L	15.0	20 Nov 18	RMV
18-A63298	11132018RSTEM-17 ROOM 110 S SINK	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63299	11132018RSTEM-18 ROOM 112 SINK	< 0.5 ug/L	15.0	20 Nov 18	RMV

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63300	11132018RSTEM-19 OUTSIDE ROOM 112 N WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63301	11132018RSTEM-20 OUTSIDE ROOM 112 S WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63302	11132018RSTEM-21 OUTSIDE ROOM 112 BF	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63303	11132018RSTEM-22 ROOM 114 B SINK	2.18 ug/L	15.0	20 Nov 18	RMV
18-A63304	11132018RSTEM-23 ROOM 116 SINK	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63305	11132018RSTEM-24 ROOM 121 A SINK	6.61 ug/L	15.0	20 Nov 18	RMV
18-A63306	11132018RSTEM-25 OUTSIDE ROOM 120 N WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63307	11132018RSTEM-26	1.74 ug/L	15.0	20 Nov 18	RMV

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	OUTSIDE ROOM 120 S WC				
18-A63308	11132018RSTEM-27 MAIN OFFICE ROOM 126 C SINK	1.39 ug/L	15.0	20 Nov 18	RMV
18-A63309	11132018RSTEM-28 OUTSIDE ROOM 125 N WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63310	11132018RSTEM-29 OUTSIDE ROOM 125 S WC	1.30 ug/L	15.0	20 Nov 18	RMV
18-A63311	11132018RSTEM-106 121 E SINK	< 0.5 ug/L	15.0	21 Nov 18	RMV
18-A63312	11132018RSTEM-31 ROOM 202 SINK	4.35 ug/L	15.0	20 Nov 18	RMV
18-A63313	11132018RSTEM-32 ROOM 204 SINK	3.23 ug/L	15.0	20 Nov 18	RMV
18-A63314	11132018RSTEM-33 ROOM 206 NW SINK	1.61 ug/L	15.0	20 Nov 18	RMV

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63315	11132018RSTEM-34 ROOM 207 SINK	12.7 ug/L	15.0	20 Nov 18	RMV
18-A63316	11132018RSTEM-35 ROOM 208 SINK	10.9 ug/L	15.0	20 Nov 18	RMV
18-A63317	11132018RSTEM-36 OUTSIDE ROOM 209 N WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63318	11132018RSTEM-37 OUTSIDE ROOM 209 S WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63319	11132018RSTEM-38 OUTSIDE ROOM 209 BF	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63320	11132018RSTEM-39 ROOM 209 SINK	6.76 ug/L	15.0	20 Nov 18	RMV
18-A63321	11132018RSTEM-40 ROOM 210 SINK	7.31 ug/L	15.0	20 Nov 18	RMV
18-A63322	11132018RSTEM-41	8.56 ug/L	15.0	20 Nov 18	RMV

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	ROOM 211 SINK				
18-A63323	11132018RSTEM-42 ROOM 212 SINK	7.87 ug/L	15.0	20 Nov 18	RMV
18-A63324	11132018RSTEM-43 ROOM 213 SINK	16.6 ug/L	15.0	20 Nov 18	RMV
18-A63325	11132018RSTEM-44 OUTSIDE ROOM 212 N WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63326	11132018RSTEM-46 ROOM 221 SINK	28.8 ug/L	15.0	20 Nov 18	RMV
18-A63327	11132018RSTEM-47 ROOM 224 SINK	5.16 ug/L	15.0	20 Nov 18	RMV
18-A63328	11132018RSTEM-48 OUTSIDE ROOM 225 N WC	0.97 ug/L	15.0	20 Nov 18	RMV
18-A63329	11132018RSTEM-49 OUTSIDE ROOM 225 S WC	< 0.5 ug/L	15.0	20 Nov 18	RMV

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63330	11132018RSTEM-50 ROOM 225 SINK	19.4 ug/L	15.0	20 Nov 18	RMV
18-A63331	11132018RSTEM-51 ROOM 226 SINK	29.1 ug/L	15.0	20 Nov 18	RMV
18-A63332	11132018RSTEM-52 ROOM 227 SINK	15.5 ug/L	15.0	20 Nov 18	RMV
18-A63333	11132018RSTEM-53 ROOM 228 SINK	8.79 ug/L	15.0	20 Nov 18	RMV
18-A63334	11132018RSTEM-54 OUTSIDE ROOM 228 N WC	1.05 ug/L	15.0	20 Nov 18	RMV
18-A63335	11132018RSTEM-55 OUTSIDE ROOM 228 S WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63336	11132018RSTEM-56 ROOM 301 N SINK	5.75 ug/L	15.0	20 Nov 18	RMV
18-A63337	11132018RSTEM-57 ROOM 301 S SINK	10.4 ug/L	15.0	20 Nov 18	RMV

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63338	11132018RSTEM-58 ROOM 302 W SINK	6.16 ug/L	15.0	20 Nov 18	RMV
18-A63339	11132018RSTEM-59 ROOM 302 E SINK	11.9 ug/L	15.0	20 Nov 18	RMV
18-A63340	11132018RSTEM-60 ROOM 303 SINK	10.5 ug/L	15.0	20 Nov 18	RMV
18-A63341	11132018RSTEM-61 ROOM 304 W SINK	9.05 ug/L	15.0	20 Nov 18	RMV
18-A63342	11132018RSTEM-62 ROOM 304 E SINK	8.64 ug/L	15.0	20 Nov 18	RMV
18-A63343	11132018RSTEM-63 ROOM 305 SINK	10.4 ug/L	15.0	20 Nov 18	RMV
18-A63344	11132018RSTEM-65 ROOM 306 E SINK	9.27 ug/L	15.0	20 Nov 18	RMV
18-A63345	11132018RSTEM-66	2.25 ug/L	15.0	20 Nov 18	RMV

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	ROOM 307 SINK				
18-A63346	11132018RSTEM-67 ROOM 308 SINK	11.4 ug/L	15.0	20 Nov 18	RMV
18-A63347	11132018RSTEM-68 OUTSIDE ROOM 309 N WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63348	11132018RSTEM-69 OUTSIDE ROOM 309 S WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63349	11132018RSTEM-71 ROOM 309 SINK	6.11 ug/L	15.0	20 Nov 18	RMV
18-A63350	11132018RSTEM-72 ROOM 310 SINK	1.02 ug/L	15.0	20 Nov 18	RMV
18-A63351	11132018RSTEM-73 ROOM 311 SINK	8.55 ug/L	15.0	20 Nov 18	RMV
18-A63352	11132018RSTEM-74 ROOM 312 SINK	12.2 ug/L	15.0	20 Nov 18	RMV

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63353	11132018RSTEM-75 OUTSIDE ROOM 312 N WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63354	11132018RSTEM-76 OUTSIDE ROOM 312 S WC	0.52 ug/L	15.0	20 Nov 18	RMV
18-A63355	11132018RSTEM-77 ROOM 313 SINK	30.3 ug/L	15.0	20 Nov 18	RMV
18-A63356	11132018RSTEM-78 ROOM 314 N SINK	15.2 ug/L	15.0	20 Nov 18	RMV
18-A63357	11132018RSTEM-79 ROOM 314 S SINK	4.39 ug/L	15.0	20 Nov 18	RMV
18-A63358	11132018RSTEM-80 ROOM 315 N SINK	17.8 ug/L	15.0	20 Nov 18	RMV
18-A63359	11132018RSTEM-81 ROOM 315 S SINK	19.2 ug/L	15.0	20 Nov 18	RMV
18-A63360	11132018RSTEM-82 ROOM 316 N SINK	6.07 ug/L	15.0	20 Nov 18	RMV

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18-A63361	11132018RSTEM-83 ROOM 316 S SINK	8.78 ug/L	15.0	20 Nov 18	RMV
18-A63362	11132018RSTEM-84 ROOM 319 S SINK	53.0 ug/L	15.0	20 Nov 18	RMV
18-A63363	11132018RSTEM-85 ROOM 319 N SINK	24.2 ug/L	15.0	20 Nov 18	RMV
18-A63364	11132018RSTEM-86 ROOM 322 SINK	3.20 ug/L	15.0	20 Nov 18	RMV
18-A63365	11132018RSTEM-87 ROOM 320 N SINK	14.0 ug/L	15.0	20 Nov 18	RMV
18-A63366	11132018RSTEM-88 ROOM 320 S SINK	18.3 ug/L	15.0	20 Nov 18	RMV
18-A63367	11132018RSTEM-89 ROOM 321 SINK	39.7 ug/L	15.0	20 Nov 18	RMV
18-A63368	11132018RSTEM-90	< 0.5 ug/L	15.0	20 Nov 18	RMV

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	OUTSIDE ROOM 321 N WC				
18-A63369	11132018RSTEM-91 OUTSIDE ROOM 321 S WC	2.20 ug/L	15.0	20 Nov 18	RMV
18-A63370	11132018RSTEM-92 ROOM 323 N SINK	22.2 ug/L	15.0	20 Nov 18	RMV
18-A63371	11132018RSTEM-93 ROOM 323 S SINK	7.23 ug/L	15.0	20 Nov 18	RMV
18-A63372	11132018RSTEM-94 ROOM 324 N SINK	25.6 ug/L	15.0	20 Nov 18	RMV
18-A63373	11132018RSTEM-95 ROOM 324 S SINK	27.6 @ug/L	15.0	27 Nov 18	RMV
18-A63374	11132018RSTEM-96 ROOM 325 SINK	8.18 ug/L	15.0	20 Nov 18	RMV
18-A63375	11132018RSTEM-97 ROOM 326 SINK	13.4 ug/L	15.0	20 Nov 18	RMV

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





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

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MEMBER

ACIL

Report Date: 28 Nov 2018

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

Work Order #: 12-17992  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 13 Nov 2018  
Date Sampled: 13 Nov 2018  
Temperature at Receipt: 17.3C

PROJECT NAME: RICHFIELD STEM  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A63376	11132018RSTEM-98 ROOM 327 SINK	8.56 ug/L	15.0	20 Nov 18	RMV
18-A63377	11132018RSTEM-99 ROOM 328 SINK	10.8 ug/L	15.0	20 Nov 18	RMV
18-A63378	11132018RSTEM-100 OUTSIDE ROOM 328 N WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63379	11132018RSTEM-101 OUTSIDE ROOM 328 S WC	< 0.5 ug/L	15.0	20 Nov 18	RMV
18-A63380	11132018RSTEM-102 BASEMENT STORAGE ROOM 14 WC	0.58 ug/L	15.0	20 Nov 18	RMV
18-A63381	11132018RSTEM-103 ROOM 206 MIDDLE NW SINK	0.77 ug/L	15.0	20 Nov 18	RMV
18-A63382	11132018RSTEM-104 ROOM 206 MIDDLE SW SINK	0.84 ug/L	15.0	20 Nov 18	RMV
18-A63383	11132018RSTEM-105	1.43 ug/L	15.0	20 Nov 18	RMV

Approved by:

Dan O'Connell

David Smahel

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PROJECT NAME: RICHFIELD STEM

PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
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ROOM 206 SW SINK

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

Page: 14

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## LEGEND

- KITCHEN SINK
- WATER COOLER
- DRINKING FOUNTAIN
- SINK
- STEAM KETTLE
- BOTTLE FILLER
- SPRAYER



LEGEND

KITCHEN SINK

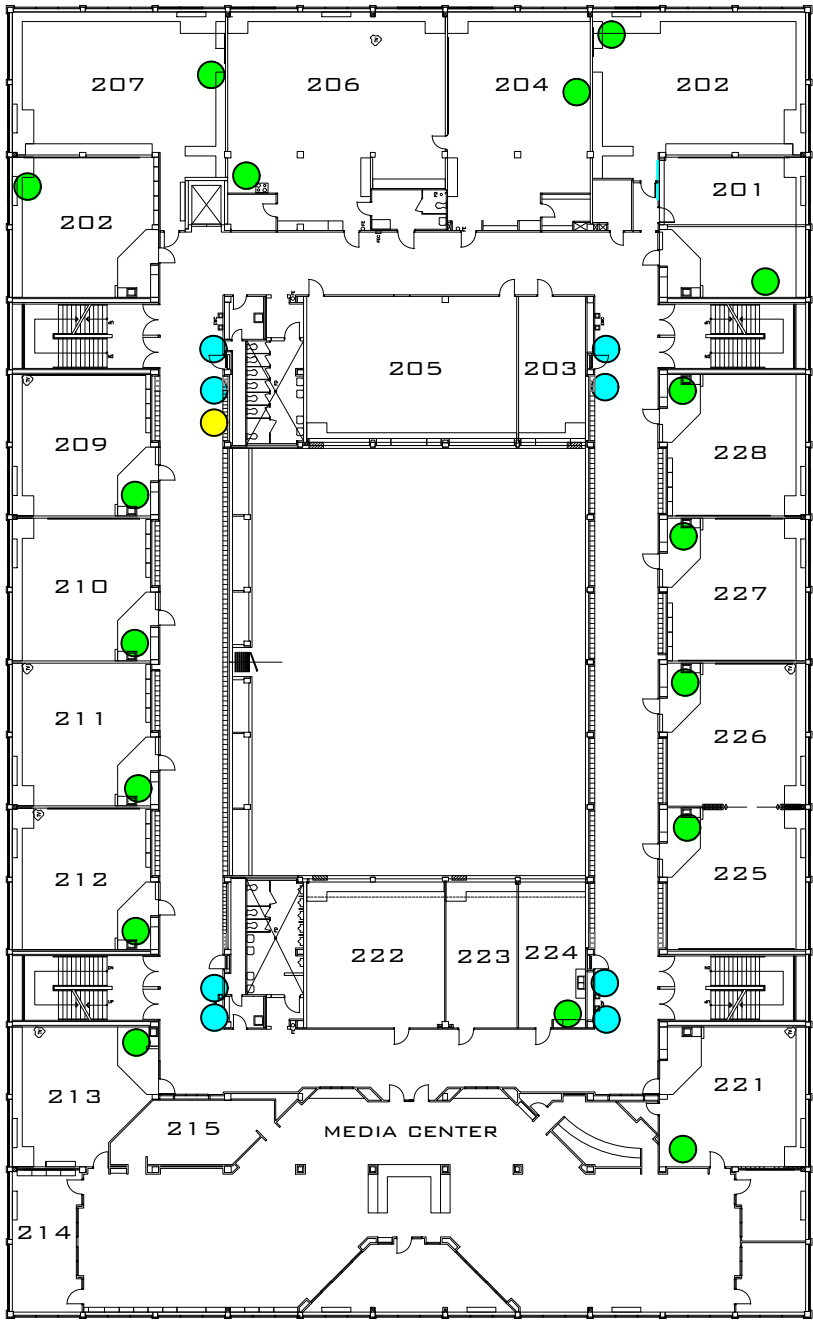
WATER COOLER

DRINKING FOUNTAIN

SINK

STEAM KETTLE

BOTTLE FILLER



LEGEND

KITCHEN SINK

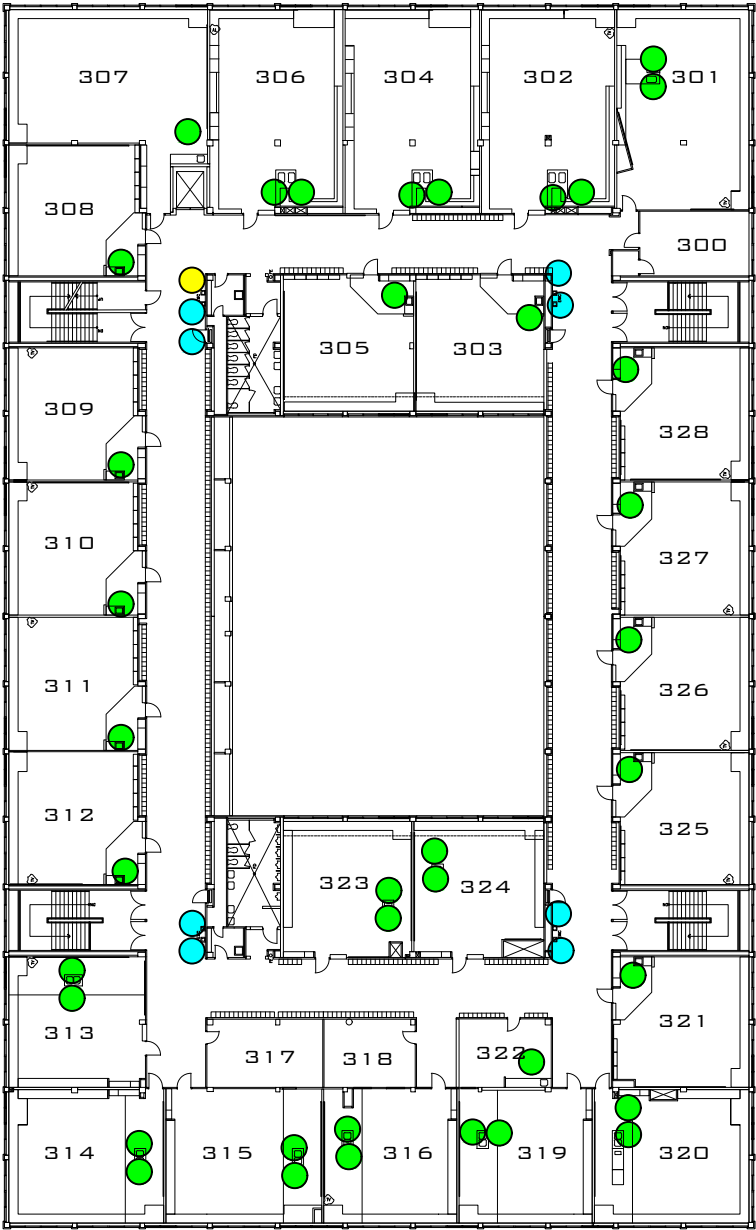
WATER COOLER

DRINKING FOUNTAIN

SINK

SPRAYER

BOTTLE FILLER





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Report Date: 26 Nov 2018

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

Work Order #: 12-18121  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 14 Nov 2018  
Date Sampled: 14 Nov 2018  
Temperature at Receipt: 17.3C

PROJECT NAME: SHERIDAN HILLS ELEM.  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64120	11142018SHE-1 KITCHEN S SINK	1.04 ug/L	15.0	23 Nov 18	RMV
18-A64121	11142018SHE-2 KITCHEN SW SPRAYER	7.98 ug/L	15.0	23 Nov 18	RMV
18-A64122	11142018SHE-4 KITCHEN NE SINK	0.76 ug/L	15.0	23 Nov 18	RMV
18-A64123	11142018SHE-5 KITCHEN NE SPRAYER	2.67 ug/L	15.0	23 Nov 18	RMV
18-A64124	11142018SHE-6 ROOM 101 DF	4.88 ug/L	15.0	23 Nov 18	RMV
18-A64125	11142018SHE-7 ROOM 102 DF	3.63 ug/L	15.0	23 Nov 18	RMV
18-A64126	11142018SHE-8 ROOM 103 DF	7.78 ug/L	15.0	23 Nov 18	RMV
18-A64127	11142018SHE-9 ROOM 104 DF	5.26 ug/L	15.0	23 Nov 18	RMV

Approved by:

Dan O'Connell

Chemistry Laboratory Managers New Ulm, MN

David Smahel

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PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64128	11142018SHE-10 ROOM 105 DF	7.61 ug/L	15.0	23 Nov 18	RMV
18-A64129	11142018SHE-11 ROOM 106 DF	7.53 ug/L	15.0	23 Nov 18	RMV
18-A64130	11142018SHE-12 ROOM 107 SINK	7.78 ug/L	15.0	23 Nov 18	RMV
18-A64131	11142018SHE-13 ROOM 108 DF	14.5 ug/L	15.0	23 Nov 18	RMV
18-A64132	11142018SHE-14 OUTSIDE ROOM 105 WC	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64133	11142018SHE-15 OUTSIDE ROOM 105 BF	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64134	11142018SHE-16 ROOM 112 DF	2.14 ug/L	15.0	23 Nov 18	RMV
18-A64135	11142018SHE-17 ROOM 113 SINK	< 0.5 ug/L	15.0	23 Nov 18	RMV

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Temperature at Receipt: 17.3C

PROJECT NAME: SHERIDAN HILLS ELEM.  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64136	11142018SHE-18 ROOM 113 WC	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64137	11142018SHE-19 ROOM 114 DF	9.29 ug/L	15.0	23 Nov 18	RMV
18-A64138	11142018SHE-20 ROOM 115 DF	1.42 ug/L	15.0	23 Nov 18	RMV
18-A64139	11142018SHE-21 ROOM 116 DF	2.53 ug/L	15.0	23 Nov 18	RMV
18-A64140	11142018SHE-22 ROOM 117 DF	1.49 ug/L	15.0	23 Nov 18	RMV
18-A64141	11142018SHE-23 ROOM 118 DF	3.10 ug/L	15.0	23 Nov 18	RMV
18-A64142	11142018SHE-24 ROOM 119 WEST DF	2.70 ug/L	15.0	23 Nov 18	RMV
18-A64143	11142018SHE-26	1.30 ug/L	15.0	23 Nov 18	RMV

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Chemistry Laboratory Managers New Ulm, MN

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Work Order #: 12-18121  
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Purchase Order #: 201811159

Date Received: 14 Nov 2018  
Date Sampled: 14 Nov 2018  
Temperature at Receipt: 17.3C

PROJECT NAME: SHERIDAN HILLS ELEM.  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
	ROOM 120 DF				
18-A64144	11142018SHE-27 ROOM 121 DF	3.80 ug/L	15.0	23 Nov 18	RMV
18-A64145	11142018SHE-28 ROOM 122 WEST DF	1.93 ug/L	15.0	23 Nov 18	RMV
18-A64146	11142018SHE-30 ROOM 123 WEST DF	0.52 ug/L	15.0	23 Nov 18	RMV
18-A64147	11142018SHE-33 OUTSIDE ROOM 115 WC	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64148	11142018SHE-34 OUTSIDE ROOM 115 BF	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64149	11142018SHE-35 ROOM 138 BATHROOM SINK	4.62 ug/L	15.0	23 Nov 18	RMV
18-A64150	11142018SHE-36 ROOM 138 SINK	11.7 ug/L	15.0	23 Nov 18	RMV

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Work Order #: 12-18121  
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Purchase Order #: 201811159

Date Received: 14 Nov 2018  
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Temperature at Receipt: 17.3C

PROJECT NAME: SHERIDAN HILLS ELEM.  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64151	11142018SHE-37 ROOM 147A SINK	13.9 ug/L	15.0	23 Nov 18	RMV
18-A64152	11142018SHE-38 ROOM 146 DF	10.1 ug/L	15.0	23 Nov 18	RMV
18-A64153	11142018SHE-39 ROOM 149 SINK	19.3 ug/L	15.0	23 Nov 18	RMV
18-A64154	11142018SHE-41 OUTSIDE ROOM 146 WC	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64155	11142018SHE-42 OUTSIDE ROOM 146 BF	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64156	11142018SHE-43 ROOM 241 DF	7.25 ug/L	15.0	23 Nov 18	RMV
18-A64157	11142018SHE-45 ROOM 246 DF	13.8 ug/L	15.0	23 Nov 18	RMV
18-A64158	11142018SHE-46 ROOM 247 DF	8.96 ug/L	15.0	23 Nov 18	RMV

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PROJECT NAME: SHERIDAN HILLS ELEM.  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A64159	11142018SHE-47 ROOM 248 DF	9.98 ug/L	15.0	23 Nov 18	RMV
18-A64160	11142018SHE-48 ROOM 249 DF	4.96 ug/L	15.0	23 Nov 18	RMV
18-A64161	11142018SHE-49 OUTSIDE ROOM 242 WC	< 0.5 ug/L	15.0	23 Nov 18	RMV
18-A64162	11142018SHE-50 OUTSIDE ROOM 242 BF	< 0.5 ug/L	15.0	23 Nov 18	RMV

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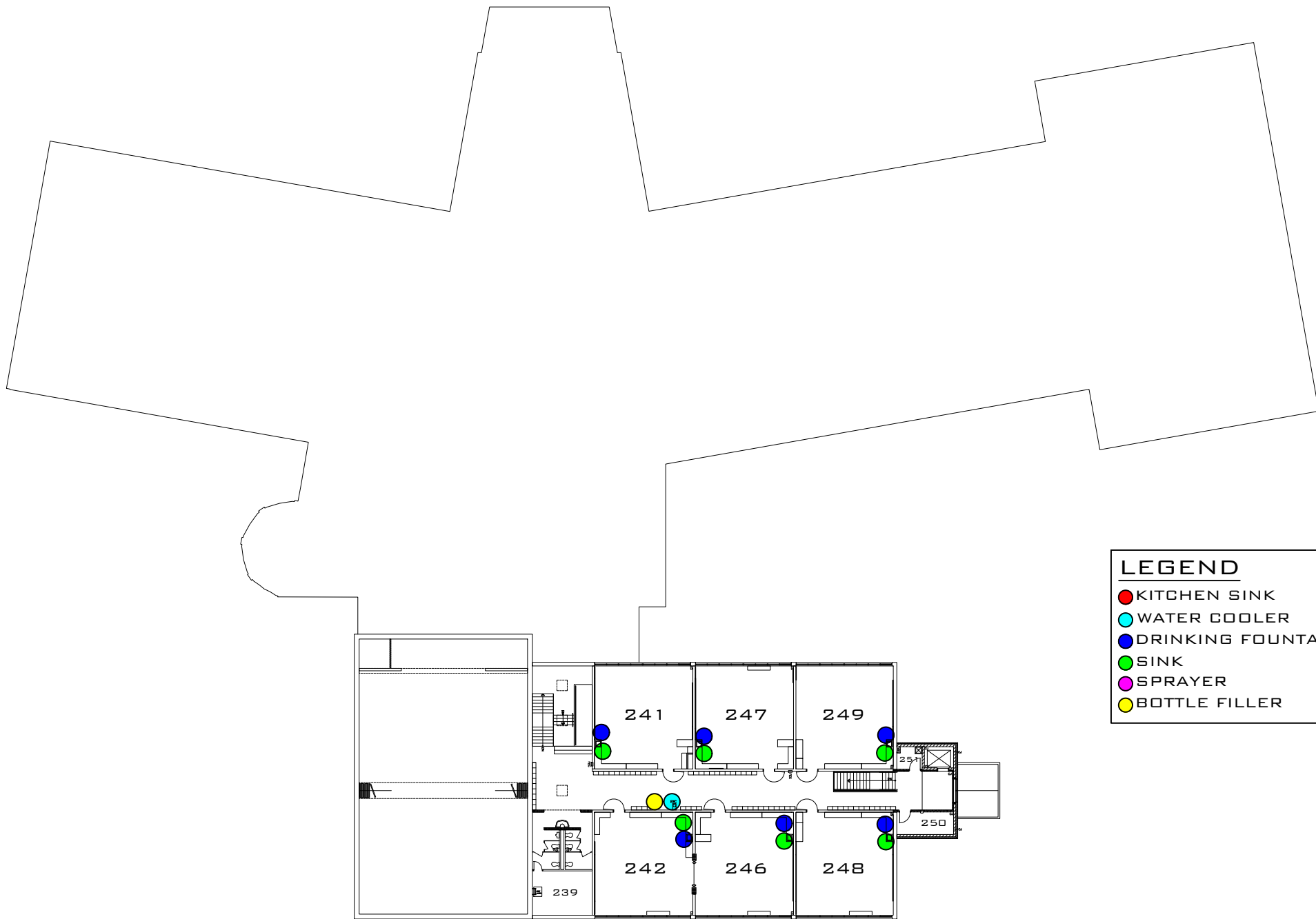
CERTIFICATION: MN LAB # 027-015-125 ND WW/DW # R-040



**LEGEND**

- KITCHEN SINK
- WATER COOLER
- DRINKING FOUNTAIN
- SINK
- SPRAYER
- BOTTLE FILLER







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Report Date: 6 Nov 2018

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

Work Order #: 12-17203  
Account #: 002190  
Purchase Order #: 201811159

Date Received: 26 Oct 2018  
Date Sampled: 26 Oct 2018  
Temperature at Receipt: 22.0C

PROJECT NAME: TRANSPORTATION BLDG  
PROJECT NUMBER: 201811159

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
18-A59293	10262018TB-1 BREAK ROOM KS	0.59 ug/L	15.0	1 Nov 18	RMV
18-A59294	10262018TB-2 BREAK ROOM BF	< 0.5 ug/L	15.0	1 Nov 18	RMV
18-A59295	10262018TB-3 BREAK ROOM WC	< 0.5 ug/L	15.0	1 Nov 18	RMV

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LEGEND

BOTTLE FILLER

SINK

