





“B samples” analyzed, 0 met or exceeded the 15 ppb action level. A table listing the analytical results by outlet sampled is included in Appendix B.

### Recommendations

Although not required under the USEPA guidance, TRC agrees with MMSD’s conservative decision to suspend the use of water at fixtures where the “A sample” result is 15 ppb or greater until that fixture has been repaired or replaced and re-tested. Once analysis of all lead water testing data from an individual building is complete, TRC can help devise a long-term operation and maintenance plan based on USEPA guidance.

TRC appreciates the opportunity to assist MMSD with this project. If you have any questions or comments concerning this report, please call James at (608) 826-3666.

Sincerely,

TRC Environmental Corporation



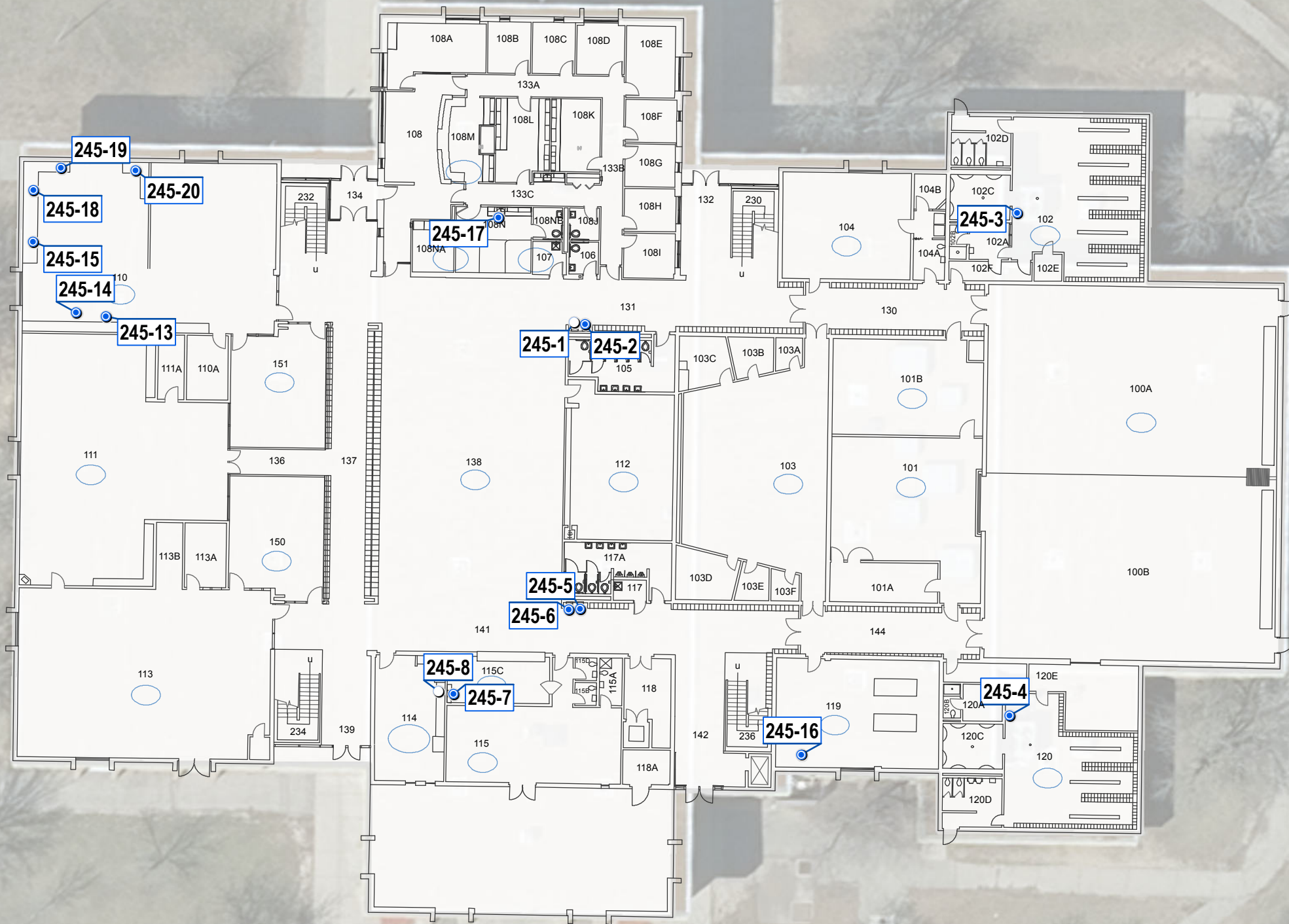
James E. Wedekind, P.G.  
Project Manager



John B. Tweddale, P.G., CHMM  
Principal Consultant

cc: Mike MacDonald

**Appendix A**  
**Location Map**

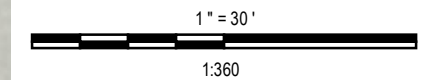


**LEGEND**

- WATER SAMPLE LOCATION

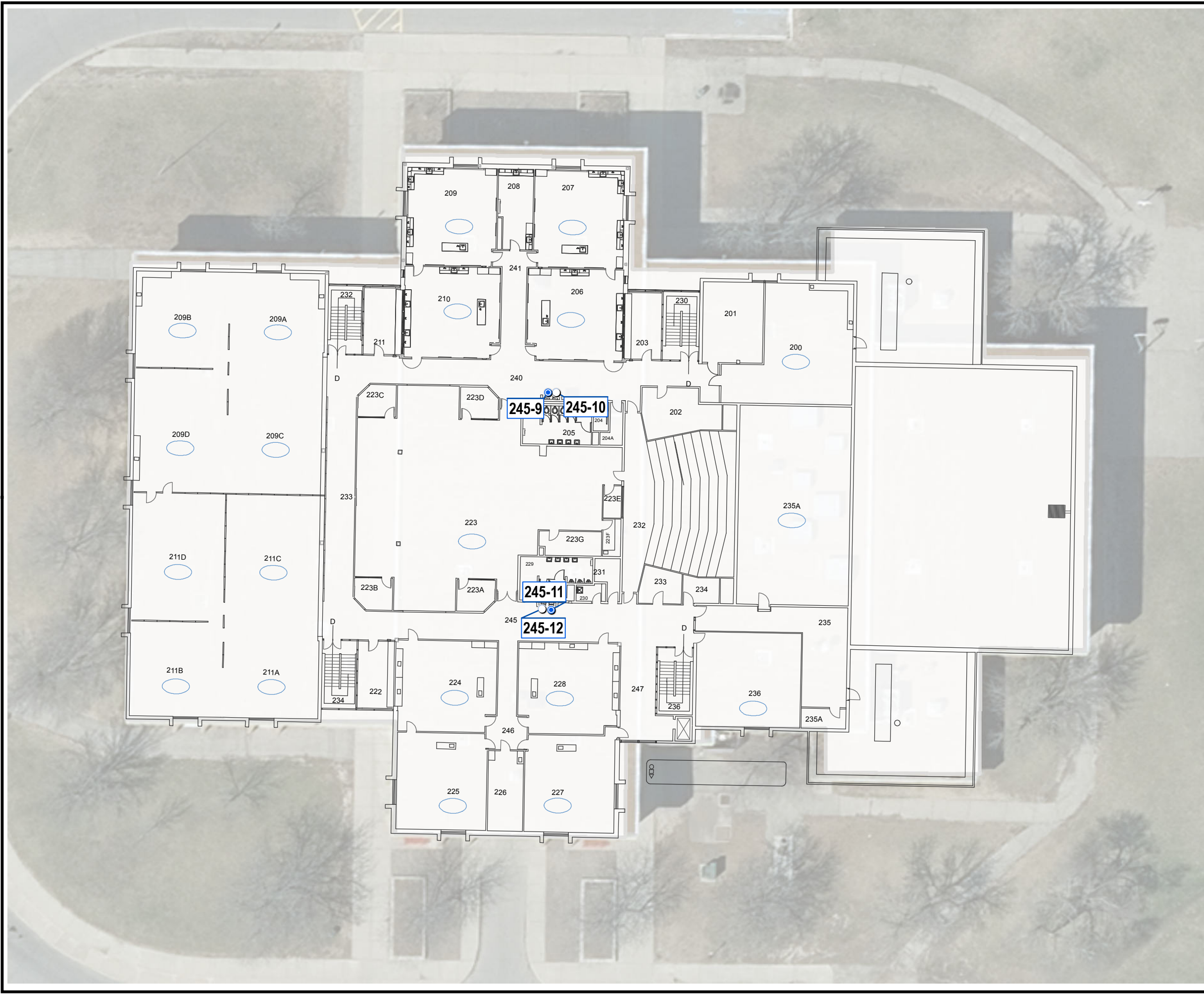
**NOTES**

1. BASE MAP IMAGERY FROM DANE COUNTY, 2014.
2. SCHOOL FACILITIES PLAN DRAWINGS SUPPLIED BY MMSD.
3. SAMPLE LOCATIONS AND FEATURES SHOWN ARE APPROXIMATE.



PROJECT:		<b>MMSD WATER SAMPLING</b>	
TITLE:		<b>JEFFERSON (245) FLOOR 1 SAMPLES</b>	
DRAWN BY:	J. PAPEZ	PROJ NO.:	274235
CHECKED BY:	A. SCHROEDER	<b>FIGURE 1.A</b>	
APPROVED BY:	J. WEDEKIND		
DATE:	APRIL 2017		
		708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trcsolutions.com	
FILE NO.:		MMSD_FINAL.mxd	



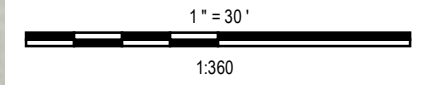


**LEGEND**

- WATER SAMPLE LOCATION

**NOTES**

1. BASE MAP IMAGERY FROM DANE COUNTY, 2014.
2. SCHOOL FACILITIES PLAN DRAWINGS SUPPLIED BY MMSD.
3. SAMPLE LOCATIONS AND FEATURES SHOWN ARE APPROXIMATE.



PROJECT:		<b>MMSD WATER SAMPLING</b>	
TITLE:		<b>JEFFERSON (245) FLOOR 2 SAMPLES</b>	
DRAWN BY:	J. PAPEZ	PROJ NO.:	274235
CHECKED BY:	A. SCHROEDER	<b>FIGURE 1.B</b>	
APPROVED BY:	J. WEDEKIND		
DATE:	APRIL 2017		
		708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trcsolutions.com	
FILE NO.:	MMSD_FINAL.mxd		

**Appendix B**  
**Analytical Results**

Table 1  
Summary of Lead Results  
Jefferson - 245  
Madison, Wisconsin

SAMPLE NUMBER	FIXTURE TYPE	SAMPLE DATE	LEAD CONCENTRATION (ppb)
245-1-TAP1-A	Water cooler	03/24/2017	<0.060
245-1-TAP2-A	Bottle filler	03/24/2017	<0.060
245-2-A	Water cooler	03/24/2017	<0.060
245-3-A	Faucet/sink	03/24/2017	12
245-4-A	Bubbler/fountain	03/24/2017	7.6
245-5-TAP1-A	Water cooler	03/24/2017	<0.060
245-5-TAP2-A	Bottle filler	03/24/2017	<0.060
245-6-A	Water cooler	03/24/2017	<0.060
245-7-A	Faucet/sink	03/24/2017	11
245-8-A	Faucet/sink	03/24/2017	5.6
245-9-TAP1-A	Water cooler	03/24/2017	<0.060
245-9-TAP2-A	Bottle filler	03/24/2017	<0.060
245-10-A	Water cooler	03/24/2017	<0.060
245-11-TAP1-A	Water cooler	03/24/2017	<0.060
245-11-TAP2-A	Bottle filler	03/24/2017	<0.060
245-12-A	Water cooler	03/24/2017	<0.060
245-13-A	Faucet/sink	03/24/2017	12
245-14-A	Faucet/sink	03/24/2017	19
245-14-B	Faucet/sink	03/24/2017	11
245-15-A	Faucet/sink	03/24/2017	6.3
245-16-A	Service connection	03/24/2017	0.13 J
245-17-A	Faucet/sink	03/24/2017	1.1
245-18-A	Faucet/sink	03/24/2017	7.6
245-19-A	Faucet/sink	03/24/2017	24
245-19-B	Faucet/sink	03/24/2017	8.4 F1,F2
245-20-A	Faucet/sink	03/24/2017	11

Notes:

1. Flush Sample (B) is only analyzed if the First Draw Sample (A) met or exceeded 15 ppb.
2. Service connection samples are flush samples (one per sample point), but sample IDs end with "A".
3. J indicates that result is less than the reporting limit but greater than or equal to the method detection limit, and the concentration is an approximate value.
4. F1 indicates that MS and/or MSD Recovery is outside acceptance limits, and reported concentration is estimated.
5. F2 indicates that MS/MSD RPD exceeds control limits, and reported concentration is estimated.
6. The sample number is derived with the MMSD school identification number (e.g., 010) followed by a unique sample point identifier (e.g., 1, 2, 3, etc.). Fixtures with multiple taps include an additional locator (e.g., TAP 1, TAP 2). The first draw sample is then identified with the "A" suffix and the flush sample identified with a "B" suffix.

Created by: LCA 3/30/17

Checked by: AES 3/31/17

Updated by: LCA 3/31/17

Checked by: AES 4/3/17