

Seattle Public Schools  
Drinking Water Quality Program

Results of Water Quality Testing  
for  
Montlake Elementary

Updated June 26, 2018

**General Information:**

Plumbing piping materials: mainly galvanized steel

**Remediation plan:**

*This remediation plan is based on a Water Quality policy approved by the School Board. The policy includes standards for the presence of lead, cadmium, copper, iron and other substances in drinking water.*

Status:

Health Criteria: All sources meet the policy criteria.

Bottled water for the piping replacement project will be removed from the school.

Follow-up monitoring: will be performed in school year 2020-2021.

Service: The school will be flushed after any breaks longer than five days.

**Water Quality Testing Results and Remediation Actions:**

<b>Legend</b>	
<b>Symbol</b>	<b>Definition</b>
SE	service entry (main)
B	Bubbler
S	sink (faucet)
B/S	sink/bubbler combination
S/B	sink/bubbler combination
ppb	parts per billion
ppm	parts per million
NA	not applicable
None	no action required
Unk	unknown status or action
Sample	sample needs to be taken
Re-test	fixture needs to be resampled
Conf	resample to confirm measurement
No flush	not flushed before sampling
Sink	sampled faucet of S/B combo
Used	recently used; no 1st draw sample possible
PS	post sign
Disable(d)	fixture disabled in response to water quality testing
IF	install filter
RB	replace bubbler
RB/IF	replace bubbler and/or install filter
RF	replace faucet
RF/IF	replace faucet and/or install filter
BW	disable fixture and provide bottled water until remediated
Leaks	leaking fixture
NW	not working properly (sample S when B of S/B NW)
OS	out of service - disabled until fixed
RS	return to service - now passes testing
Rem	Removed from system - no longer exists

Table 1. Summary of Results

CURRENT STATUS											
FIXTURE INFORMATION			LEAD		CADMIUM		COPPER		IRON		OK?
Fixture ID	Type	Location	Pass/Fail	Status	Pass/Fail	Status	Pass/Fail	Status	Pass/Fail	Status	Yes/No/Status
01	B	north end of bldg, by boys restroom	P	None	P	None	P	None	P	None	Yes
09	B	hall next to office	P	None	P	None	P	None	P	None	Yes
10	B	south end of bldg, by girls restroom, left	P	None	P	None	P	None	P	None	Yes
11	B	south end of bldg, by girls restroom, right	P	None	P	None	P	None	P	None	Yes
18	B	2nd floor hallway	P	None	P	None	P	None	P	None	Yes
19	S	teachers lounge	P	None	P	None	P	None	P	None	Yes
20	S	nurses office	P	None	P	None	P	None	P	None	Yes
21A	S	2nd floor utility closet (art) left	P	None	P	None	P	None	P	None	Yes
21B	S	2nd floor utility closet (art) right	P	None	P	None	P	None	P	None	Yes
23	S	kitchen (portable)	P	None	P	None	P	None	P	None	Yes
24	S	Portable cafeteria	P	None	P	None	P	None			Yes

Table 2. Lead Test Results

FIXTURE INFORMATION			Initial Sampling				Follow-up Sampling 1				Follow-up Sampling 2				Follow-up Sampling 3				Follow-up Sampling 4			
Fixture ID	Type	Location	Sampled	1st Draw	Flush 30s	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail
01	B	north end of bldg, by boys restroom	4/23/2004	4	5	P	7/15/2005	34	8										11/20/2008	6	<1	P
09	B	hall next to office	4/23/2004	4	4	P	7/15/2005	8	6	P									11/20/2008	14	<1	
10	B	south end of bldg, by girls restroom, left	4/23/2004	4	<1	P					9/21/2005	23	11		5/19/2006	13			11/20/2008	4	<1	P
11	B	south end of bldg, by girls restroom, right	4/23/2004	2		P	7/15/2005	8	3	P									11/20/2008	6	<1	P
18	B	2nd floor hallway	4/23/2004	5	1	P													11/20/2008	2	1	P
19	S	teachers lounge	4/23/2004	2	1	P													11/20/2008	<1	<1	P
20	S	nurses office	4/23/2004	7	2	P													11/20/2008	1	<1	P
21A	S	2nd floor utility closet (art) left	4/23/2004	7	2	P													11/20/2008	1	<1	P
21B	S	2nd floor utility closet (art) right													5/19/2006	9	<1	P	11/20/2008	<1	<1	P
23	S	kitchen (portable)	4/23/2004	4	<1	P													11/20/2008	<1	<1	P
24	S	Portable cafeteria																				

Table 2. Lead Test Results (continued)

FIXTURE INFORMATION			Follow-up Sampling 5				Follow-up Sampling 6				Follow-up Sampling 7				Follow-up Sampling 8				Summary Status	
Fixture ID	Type	Location	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Pass/Fail	Status
01	B	north end of bldg, by boys restroom					9/27/2011	1	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
09	B	hall next to office	12/11/2008	8	<1	P	9/27/2011	1	<1	P	11/19/2014	1	<1	P	5/23/2018	1	<1	P	P	None
10	B	south end of bldg, by girls restroom, left					9/27/2011	<1	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
11	B	south end of bldg, by girls restroom, right					9/27/2011	1	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
18	B	2nd floor hallway					9/27/2011	2	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
19	S	teachers lounge					9/27/2011	<1	<1	P	11/19/2014	<1	<1	P					P	None
20	S	nurses office					9/27/2011	<1	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
21A	S	2nd floor utility closet (art) left					9/27/2011	1	<1	P	11/19/2014	<1	<1	P					P	None
21B	S	2nd floor utility closet (art) right					9/27/2011	<1	<1	P	11/19/2014	<1	<1	P					P	None
23	S	kitchen (portable)					9/27/2011	<1	<1	P	11/19/2014	1	<1	P	5/23/2018	<1	<1	P	P	None
24	S	Portable cafeteria									11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None

Table 3. Cadmium Test Results

FIXTURE INFORMATION			Initial Sampling				Follow-up Sampling 1				Follow-up Sampling 2				Follow-up Sampling 3			
Fixture ID	Type	Location	Sampled	1st Draw	Flush 30s	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail
01	B	north end of bldg, by boys restroom	4/23/2004	<1	<1	P	7/15/2005	<1	<1	P								
09	B	hall next to office					7/15/2005	7	1						5/19/2006	1	<1	P
10	B	south end of bldg, by girls restroom, left	4/23/2004	<1	1	P					9/21/2005	<1	<1	P				
11	B	south end of bldg, by girls restroom, right					7/15/2005	<1	<1	P								
18	B	2nd floor hallway	4/23/2004	1	<1	P												
19	S	teachers lounge	4/23/2004	1	<1	P												
20	S	nurses office	4/23/2004	<1	1	P												
21A	S	2nd floor utility closet (art) left									9/21/2005	2	<1	P				
21B	S	2nd floor utility closet (art) right									9/21/2005	<1	<1	P				
23	S	kitchen (portable)	4/23/2004	<1	<1	P												
24	S	Portable cafeteria																

Table 3. Cadmium Test Results (continued)

FIXTURE INFORMATION			Follow-up Sampling 4				Follow-up Sampling 5				Follow-up Sampling 6				Follow-up Sampling 7				Summary Status	
Fixture ID	Type	Location	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Pass/Fail	Status
01	B	north end of bldg, by boys restroom	11/20/2008	<1	<1	P	9/27/2011	<1	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
09	B	hall next to office	11/20/2008	<1	<1	P	9/27/2011	<1	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
10	B	south end of bldg, by girls restroom, left	11/20/2008	<1	<1	P	9/27/2011	<1	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
11	B	south end of bldg, by girls restroom, right	11/20/2008	<1	<1	P	9/27/2011	<1	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
18	B	2nd floor hallway	11/20/2008	<1	<1	P	9/27/2011	<1	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
19	S	teachers lounge	11/20/2008	<1	<1	P	9/27/2011	<1	<1	P	11/19/2014	<1	<1	P					P	None
20	S	nurses office	11/20/2008	<1	<1	P	9/27/2011	<1	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
21A	S	2nd floor utility closet (art) left	11/20/2008	<1	<1	P	9/27/2011	<1	<1	P	11/19/2014	<1	<1	P					P	None
21B	S	2nd floor utility closet (art) right	11/20/2008	<1	<1	P	9/27/2011	<1	<1	P	11/19/2014	<1	<1	P					P	None
23	S	kitchen (portable)	11/20/2008	<1	<1	P	9/27/2011	<1	<1	P	11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None
24	S	Portable cafeteria									11/19/2014	<1	<1	P	5/23/2018	<1	<1	P	P	None

Table 4. Copper Test Results

FIXTURE INFORMATION			Initial Sampling				Follow-up Sampling 1				Follow-up Sampling 2				Follow-up Sampling 3			
Fixture ID	Type	Location	Sampled	1st Draw	Flush 2m	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail
01	B	north end of bldg, by boys restroom	4/23/2004	0.26	0.019	P	7/15/2005	0.18	0.056	P					11/20/2008	0.314	0.404	P
09	B	hall next to office					7/15/2005	0.035	0.009	P					11/20/2008	0.254	0.215	P
10	B	south end of bldg, by girls restroom, left	4/23/2004	0.076	0.007	P					9/21/2005	0.25	0.005	P	11/20/2008	0.282	0.341	P
11	B	south end of bldg, by girls restroom, right					7/15/2005	0.014	0.004	P					11/20/2008	0.286	0.354	P
18	B	2nd floor hallway	4/23/2004	0.051	0.008	P	7/15/2005		0.008	P					11/20/2008	0.251	0.243	P
19	S	teachers lounge	4/23/2004	0.01		P	7/15/2005		0.006	P					11/20/2008	0.309	0.325	P
20	S	nurses office	4/23/2004	0.24	0.008	P	7/15/2005		0.013	P					11/20/2008	0.24	0.232	P
21A	S	2nd floor utility closet (art) left									9/21/2005	0.028	0.005	P	11/20/2008	0.266	0.293	P
21B	S	2nd floor utility closet (art) right									9/21/2005	0.014	0.004	P	11/20/2008	0.277	0.206	P
23	S	kitchen (portable)	4/23/2004	0.013		P	7/15/2005		0.004	P					11/20/2008	0.288	0.29	P
24	S	Portable cafeteria																

Table 4. Copper Test Results

FIXTURE INFORMATION			Follow-up Sampling 4				Follow-up Sampling 5				Follow-up Sampling 6				Summary Status	
Fixture ID	Type	Location	Sampled	1st Draw	Flush 30s	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail	Sampled	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	B	north end of bldg, by boys restroom	9/27/2011	0.267	0.311	P	11/19/2014	0.23	0.215	P	5/23/2018	0.282	0.281	P	P	None
09	B	hall next to office	9/27/2011	0.22	0.175	P	11/19/2014	0.187	0.161	P	5/23/2018	0.229	0.184	P	P	None
10	B	south end of bldg, by girls restroom, left	9/27/2011	0.266	0.306	P	11/19/2014	0.195	0.191	P	5/23/2018	0.225	0.234	P	P	None
11	B	south end of bldg, by girls restroom, right	9/27/2011	0.268	0.294	P	11/19/2014	0.19	0.194	P	5/23/2018	0.22	0.224	P	P	None
18	B	2nd floor hallway	9/27/2011	0.239	0.2	P	11/19/2014	0.178	0.151	P	5/23/2018	0.239	0.194	P	P	None
19	S	teachers lounge	9/27/2011	0.2	0.201	P	11/19/2014	0.16	0.152	P					P	None
20	S	nurses office	9/27/2011	0.183	0.23	P	11/19/2014	0.153	0.154	P	5/23/2018	0.292	0.2	P	P	None
21A	S	2nd floor utility closet (art) left	9/27/2011	0.229	0.221	P	11/19/2014	0.154	0.159	P					P	None
21B	S	2nd floor utility closet (art) right	9/27/2011	0.382	0.214	P	11/19/2014	0.2	0.137	P					P	None
23	S	kitchen (portable)	9/27/2011	0.187	0.197	P	11/19/2014	0.148	0.134	P	5/23/2018	0.131	0.138	P	P	None
24	S	Portable cafeteria					11/19/2014	0.122	0.104	P	5/23/2018	0.156	0.222	P	P	None

Table 5. Iron Test Results

FIXTURE INFORMATION			Initial Sampling				Follow-up Sampling 1				Follow-up Sampling 2				Follow-up Sampling 3				Follow-up Sampling 4				
Fixture ID	Type	Location	Sampled	1st Draw	Flush 2m	Pass/Fail	Sampled	1st Draw	Flush 2m	Pass/Fail	Sampled	1st Draw	Flush 2m	Pass/Fail	Sampled	1st Draw	Flush 2m	Pass/Fail	Sampled	1st Draw	Flush 2m	Pass/Fail	
01	B	north end of bldg, by boys restroom	4/23/2004	0.42	0.35	P	9/17/2004	1.2	0.13		7/15/2005	0.08		P									
09	B	hall next to office					9/17/2004	3.8	0.31		7/15/2005	<0.05	0.74		9/21/2005		0.437	P	2/2/2006	1.98			
10	B	south end of bldg, by girls restroom, left	4/23/2004	0.3	0.66										9/21/2005		1.05						
11	B	south end of bldg, by girls restroom, right									7/15/2005	0.06											
18	B	2nd floor hallway	4/23/2004	0.75	0.65		9/17/2004	0.47	0.32	P													
19	S	teachers lounge	4/23/2004	0.1		P					7/15/2005		0.16	P									
20	S	nurses office	4/23/2004	0.12	0.21	P					7/15/2005		0.17	P									
21A	S	2nd floor utility closet (art) left													9/21/2005		0.194	P					
21B	S	2nd floor utility closet (art) right													9/21/2005		0.134	P					
23	S	kitchen (portable)	4/23/2004	0.15		P					7/15/2005		<0.05	P									
24	S	Portable cafeteria																					

Table 5. Iron Test Results (continued)

FIXTURE INFORMATION			Follow-up Sampling 5				Follow-up Sampling 6				Follow-up Sampling 7				Follow-up Sampling 8				Summary Status	
Fixture ID	Type	Location	Sampled	1st Draw	Flush 2m	Pass /Fail	Sampled	1st Draw	Flush 2m	Pass /Fail	Sampled	1st Draw	Flush 2m	Pass /Fail	Sampled	1st Draw	Flush 2m	Pass /Fail	Pass/Fail	Status
01	B	north end of bldg, by boys restroom	11/20/2008		<0.05	P	9/27/2011		<0.05	P									P	None
09	B	hall next to office	11/20/2008		<0.05	P					11/19/2014		<0.05	P					P	None
10	B	south end of bldg, by girls restroom, left					9/27/2011		<0.05	P					5/23/2018		<0.05	P	P	None
11	B	south end of bldg, by girls restroom, right									11/19/2014		<0.05	P					P	None
18	B	2nd floor hallway	11/20/2008		0.052	P	9/27/2011		<0.05	P					5/23/2018		<0.05	P	P	None
19	S	teachers lounge									11/19/2014		<0.05	P					P	None
20	S	nurses office																	P	None
21A	S	2nd floor utility closet (art) left																	P	None
21B	S	2nd floor utility closet (art) right																	P	None
23	S	kitchen (portable)	11/20/2008		<0.05	P													P	None
24	S	Portable cafeteria																		Sample

Table 6. Service Entry Test Results

Test Results (Service Entry/SE, Units as Shown)						
SOURCE INFORMATION			<i>Most Recent Sampling</i>			
Fixture ID	Type	Location	Item	Sampled	Max Value	Pass/Fail
00	SE	boiler room	Arsenic	23-May-18	2 ppb	P
00	SE	boiler room	Cadmium	23-May-18	1 ppb	P
00	SE	boiler room	Chlorine	23-Apr-04	0.02 ppm	P
00	SE	boiler room	Copper	23-May-18	0.136 ppm	P
00	SE	boiler room	E coli	23-Apr-04	<1 Colonies	P
00	SE	boiler room	Iron	23-May-18	<0.05 ppm	P
00	SE	boiler room	Lead	23-May-18	1 ppb	P
00	SE	boiler room	Total Coliforms	27-Sep-11	<1 Colonies	P

"<" means: less than the value shown (below analytical detection limits).

"n/a" means: not applicable.

Table 7. Bacteriological Test Results

**Bacteriological Characteristics**

Bacteriological testing of selected samples indicated no (zero) coliform bacteria.