

**Seattle Public Schools  
Drinking Water Quality Program**

**Results of Water Quality Testing  
for  
Magnolia Elementary School**

Updated August 23, 2019

**General Information:**

Plumbing piping materials: mainly copper

**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.*

**Sinks (S in the report) are not considered drinking water sources.** We recognize that there is the potential for students to want to drink from classroom hand-washing sinks, so we test all of those. Where a student's choice to drink from a sink could be a problem, we post a reminder sign, as we do at all restroom sinks.

Status:

Policy Criteria:

All results meet the policy criteria. Bottle filler on first floor (#04) will be tested when it is ready.

Follow-up monitoring: Will be performed in school year 2021-2022.

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

## Water Quality Testing Results:

### Legend

Symbol	Definition
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
BDSS	Bubbler disabled, sign on sink
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

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	S	ROOM 1300A	P	None	P	None	P	None			Yes
02	B	FIRST FLOOR, DRINKING FOUNTAIN, LEFT	P	None	P	None	P	None			Yes
03	B	FIRST FLOOR, DRINKING FOUNTAIN, RIGHT	P	None	P	None	P	None			Yes
04	BF	FIRST FLOOR, BOTTLE FILLER		sample		sample		sample			sample
05	S	KITCHEN, LEFT	P	None	P	None	P	None	P	None	Yes
06	S	KITCHEN, RIGHT	P	None	P	None	P	None			Yes
07	S	KITCHEN	P	None	P	None	P	None			Yes
08	S/B	STAGE	P	None	P	None	P	None			Yes
09	S/B	ROOM 1103	P	None	P	None	P	None			Yes
10	S	ROOM 1103, LEFT	P	None	P	None	P	None			Yes
11	S	ROOM 1103, RIGHT	P	None	P	None	P	None			Yes
12	S/B	ROOM 1102	P	None	P	None	P	None	P	None	Yes
13	S/B	ROOM 1104	P	None	P	None	P	None			Yes
14	S/B	ROOM 1106	P	None	P	None	P	None			Yes
16	S	ROOM 1118C	P	None	P	None	P	None			Yes
17	S	1118B	P	None	P	None	P	None	P	None	Yes
18	S/B	ROOM 1121	P	None	P	None	P	None			Yes
19	S/B	ROOM 1126	P	None	P	None	P	None			Yes
20	S/B	ROOM 1120	P	None	P	None	P	None			Yes
21	S/B	ROOM 1124	P	None	P	None	P	None			Yes
22	S/B	ROOM 1125	P	None	P	None	P	None	P	None	Yes
23	S/B	ROOM 1131	P	None	P	None	P	None			Yes
24	S/B	ROOM 1133	P	None	P	None	P	None			Yes
25	S/B	ROOM 1135	P	None	P	None	P	None			Yes
26	B	FIRST FLOOR, DRINKING FOUNTAIN, LEFT	P	None	P	None	P	None			Yes
27	B	FIRST FLOOR, DRINKING FOUNTAIN, RIGHT	P	None	P	None	P	None	P	None	Yes
28	BF	FIRST FLOOR, BOTTLE FILLER	P	None	P	None	P	None			Yes
29	S/B	ROOM 2101	P	None	P	None	P	None			Yes
30	S/B	ROOM 2103	P	None	P	None	P	None			Yes
31	S/B	ROOM 2102	P	None	P	None	P	None			Yes
32	S/B	ROOM 2105	P	None	P	None	P	None	P	None	Yes
33	S/B	ROOM 2104	P	None	P	None	P	None			Yes
34	S/B	ROOM 2109	P	None	P	None	P	None			Yes
35	S/B	ROOM 2113	P	None	P	None	P	None			Yes
36	S/B	ROOM 2106	P	None	P	None	P	None			Yes
37	S/B	ROOM 2112	P	None	P	None	P	None	P	None	Yes
38	S/B	ROOM 2114	P	None	P	None	P	None			Yes
39	S/B	ROOM 2117	P	None	P	None	P	None			Yes
40	S/B	ROOM 2116	P	None	P	None	P	None			Yes
41	S/B	ROOM 2118	P	None	P	None	P	None			Yes
42	B	2ND FLOOR, DRINKING FOUNTIAN, LEFT	P	None	P	None	P	None	P	None	Yes
43	B	2ND FLOOR, DRINKING FOUNTIAN, RIGHT	P	None	P	None	P	None			Yes
44	BF	2ND FLOOR, BOTTLE FILLER	P	None	P	None	P	None			Yes
45	S	LIBRARY	P	None	P	None	P	None			Yes
46	S/B	ROOM 2108	P	None	P	None	P	None			Yes

Table 2. Lead Test Results

Test Results (Lead/Pb, ppb)							
FIXTURE INFORMATION			8/20/2019			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	S	ROOM 1300A	<1	<1	P	P	None
02	B	FIRST FLOOR, DRINKING FOUNTAIN, LEFT	<1	<1	P	P	None
03	B	FIRST FLOOR, DRINKING FOUNTAIN, RIGHT	<1	<1	P	P	None
04	BF	FIRST FLOOR, BOTTLE FILLER					Sample
05	S	KITCHEN, LEFT	1	<1	P	P	None
06	S	KITCHEN, RIGHT	<1	<1	P	P	None
07	S	KITCHEN	<1	<1	P	P	None
08	S/B	STAGE	<1	<1	P	P	None
09	S/B	ROOM 1103	<1	<1	P	P	None
10	S	ROOM 1103, LEFT	<1	<1	P	P	None
11	S	ROOM 1103, RIGHT	<1	<1	P	P	None
12	S/B	ROOM 1102	<1	<1	P	P	None
13	S/B	ROOM 1104	<1	<1	P	P	None
14	S/B	ROOM 1106	<1	<1	P	P	None
16	S	ROOM 1118C	<1	<1	P	P	None
17	S	1118B	<1		P	P	None
18	S/B	ROOM 1121	<1	<1	P	P	None
19	S/B	ROOM 1126	<1	<1	P	P	None
20	S/B	ROOM 1120	<1	<1	P	P	None
21	S/B	ROOM 1124	<1	<1	P	P	None
22	S/B	ROOM 1125	<1	<1	P	P	None
23	S/B	ROOM 1131	<1	<1	P	P	None
24	S/B	ROOM 1133	<1	<1	P	P	None
25	S/B	ROOM 1135	<1	<1	P	P	None
26	B	FIRST FLOOR, DRINKING FOUNTAIN, LEFT	<1	<1	P	P	None
27	B	FIRST FLOOR, DRINKING FOUNTAIN, RIGHT	<1	<1	P	P	None
28	BF	FIRST FLOOR, BOTTLE FILLER	<1	<1	P	P	None
29	S/B	ROOM 2101	<1	<1	P	P	None
30	S/B	ROOM 2103	<1	<1	P	P	None
31	S/B	ROOM 2102	<1	<1	P	P	None
32	S/B	ROOM 2105	<1	<1	P	P	None
33	S/B	ROOM 2104	<1	<1	P	P	None
34	S/B	ROOM 2109	<1	<1	P	P	None
35	S/B	ROOM 2113	<1	<1	P	P	None
36	S/B	ROOM 2106	<1	<1	P	P	None
37	S/B	ROOM 2112	<1	<1	P	P	None
38	S/B	ROOM 2114	<1	<1	P	P	None
39	S/B	ROOM 2117	<1	<1	P	P	None
40	S/B	ROOM 2116	<1	<1	P	P	None
41	S/B	ROOM 2118	<1	<1	P	P	None
42	B	2ND FLOOR, DRINKING FOUNTIAN, LEFT	<1	<1	P	P	None
43	B	2ND FLOOR, DRINKING FOUNTIAN, RIGHT	<1	<1	P	P	None
44	BF	2ND FLOOR, BOTTLE FILLER	<1	<1	P	P	None
45	S	LIBRARY	<1	<1	P	P	None
46	S/B	ROOM 2108	<1	<1	P	P	None

Table 3. Cadmium Test Results

FIXTURE INFORMATION			8/20/2019			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	S	ROOM 1300A	<1	<1	P	P	None
02	B	FIRST FLOOR, DRINKING FOUNTAIN, LEFT	<1	<1	P	P	None
03	B	FIRST FLOOR, DRINKING FOUNTAIN, RIGHT	<1	<1	P	P	None
04	BF	FIRST FLOOR, BOTTLE FILLER					Sample
05	S	KITCHEN, LEFT	<1	<1	P	P	None
06	S	KITCHEN, RIGHT	<1	<1	P	P	None
07	S	KITCHEN	<1	<1	P	P	None
08	S/B	STAGE	<1	<1	P	P	None
09	S/B	ROOM 1103	<1	<1	P	P	None
10	S	ROOM 1103, LEFT	<1	<1	P	P	None
11	S	ROOM 1103, RIGHT	<1	<1	P	P	None
12	S/B	ROOM 1102	<1	<1	P	P	None
13	S/B	ROOM 1104	<1	<1	P	P	None
14	S/B	ROOM 1106	<1	<1	P	P	None
16	S	ROOM 1118C	<1	<1	P	P	None
17	S	1118B	<1		P	P	None
18	S/B	ROOM 1121	<1	<1	P	P	None
19	S/B	ROOM 1126	<1	<1	P	P	None
20	S/B	ROOM 1120	<1	<1	P	P	None
21	S/B	ROOM 1124	<1	<1	P	P	None
22	S/B	ROOM 1125	<1	<1	P	P	None
23	S/B	ROOM 1131	<1	<1	P	P	None
24	S/B	ROOM 1133	<1	<1	P	P	None
25	S/B	ROOM 1135	<1	<1	P	P	None
26	B	FIRST FLOOR, DRINKING FOUNTAIN, LEFT	<1	<1	P	P	None
27	B	FIRST FLOOR, DRINKING FOUNTAIN, RIGHT	<1	<1	P	P	None
28	BF	FIRST FLOOR, BOTTLE FILLER	<1	<1	P	P	None
29	S/B	ROOM 2101	<1	<1	P	P	None
30	S/B	ROOM 2103	<1	<1	P	P	None
31	S/B	ROOM 2102	<1	<1	P	P	None
32	S/B	ROOM 2105	<1	<1	P	P	None
33	S/B	ROOM 2104	<1	<1	P	P	None
34	S/B	ROOM 2109	<1	<1	P	P	None
35	S/B	ROOM 2113	<1	<1	P	P	None
36	S/B	ROOM 2106	<1	<1	P	P	None
37	S/B	ROOM 2112	<1	<1	P	P	None
38	S/B	ROOM 2114	<1	<1	P	P	None
39	S/B	ROOM 2117	<1	<1	P	P	None
40	S/B	ROOM 2116	<1	<1	P	P	None
41	S/B	ROOM 2118	<1	<1	P	P	None
42	B	2ND FLOOR, DRINKING FOUNTAIN, LEFT	<1	<1	P	P	None
43	B	2ND FLOOR, DRINKING FOUNTAIN, RIGHT	<1	<1	P	P	None
44	BF	2ND FLOOR, BOTTLE FILLER	<1	<1	P	P	None
45	S	LIBRARY	<1	<1	P	P	None
46	S/B	ROOM 2108	<1	<1	P	P	None

Table 4. Copper Test Results

FIXTURE INFORMATION			8/20/2019			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	S	ROOM 1300A	0.109	0.119	P	P	None
02	B	FIRST FLOOR, DRINKING FOUNTAIN, LEFT	0.172	0.032	P	P	None
03	B	FIRST FLOOR, DRINKING FOUNTAIN, RIGHT	0.044	0.029	P	P	None
04	BF	FIRST FLOOR, BOTTLE FILLER					sample
05	S	KITCHEN, LEFT	0.221	0.221	P	P	None
06	S	KITCHEN, RIGHT	0.164	0.192	P	P	None
07	S	KITCHEN	0.105	0.146	P	P	None
08	S/B	STAGE	0.244	0.09	P	P	None
09	S/B	ROOM 1103	0.134	0.145	P	P	None
10	S	ROOM 1103, LEFT	0.087	0.161	P	P	None
11	S	ROOM 1103, RIGHT	0.092	0.156	P	P	None
12	S/B	ROOM 1102	0.241	0.056	P	P	None
13	S/B	ROOM 1104	0.141	0.058	P	P	None
14	S/B	ROOM 1106	0.167	0.057	P	P	None
16	S	ROOM 1118C	0.204	0.167	P	P	None
17	S	1118B	0.156		P	P	None
18	S/B	ROOM 1121	0.131	0.083	P	P	None
19	S/B	ROOM 1126	0.071	0.068	P	P	None
20	S/B	ROOM 1120	0.116	0.15	P	P	None
21	S/B	ROOM 1124	0.145	0.155	P	P	None
22	S/B	ROOM 1125	0.105	0.128	P	P	None
23	S/B	ROOM 1131	0.112	0.084	P	P	None
24	S/B	ROOM 1133	0.233	0.187	P	P	None
25	S/B	ROOM 1135	0.23	0.187	P	P	None
26	B	FIRST FLOOR, DRINKING FOUNTAIN, LEFT	0.166	0.12	P	P	None
27	B	FIRST FLOOR, DRINKING FOUNTAIN, RIGHT	0.165	0.152	P	P	None
28	BF	FIRST FLOOR, BOTTLE FILLER	0.074	0.052	P	P	None
29	S/B	ROOM 2101	0.252	0.186	P	P	None
30	S/B	ROOM 2103	0.283	0.072	P	P	None
31	S/B	ROOM 2102	0.212	0.114	P	P	None
32	S/B	ROOM 2105	0.199	0.176	P	P	None
33	S/B	ROOM 2104	0.227	0.079	P	P	None
34	S/B	ROOM 2109	0.232	0.066	P	P	None
35	S/B	ROOM 2113	0.184	0.168	P	P	None
36	S/B	ROOM 2106	0.2	0.053	P	P	None
37	S/B	ROOM 2112	0.202	0.069	P	P	None
38	S/B	ROOM 2114	0.252	0.1	P	P	None
39	S/B	ROOM 2117	0.197	0.072	P	P	None
40	S/B	ROOM 2116	0.229	0.175	P	P	None
41	S/B	ROOM 2118	0.187	0.166	P	P	None
42	B	2ND FLOOR, DRINKING FOUNTAIN, LEFT	0.142	0.128	P	P	None
43	B	2ND FLOOR, DRINKING FOUNTAIN, RIGHT	0.148	0.165	P	P	None
44	BF	2ND FLOOR, BOTTLE FILLER	0.132	0.17	P	P	None
45	S	LIBRARY	0.096	0.128	P	P	None
46	S/B	ROOM 2108	0.188	0.199	P	P	None

Table 5. Iron Test Results

FIXTURE INFORMATION			8/20/2019		Summary Status	
Fixture ID	Type	Location	Flush 2m	Pass/Fail	Pass/Fail	Status
01	S	ROOM 1300A				
02	B	FIRST FLOOR, DRINKING FOUNTAIN, LEFT				
03	B	FIRST FLOOR, DRINKING FOUNTAIN, RIGHT				
04	BF	FIRST FLOOR, BOTTLE FILLER				
05	S	KITCHEN, LEFT	0.063	P	P	None
06	S	KITCHEN, RIGHT				
07	S	KITCHEN				
08	S/B	STAGE				
09	S/B	ROOM 1103				
10	S	ROOM 1103, LEFT				
11	S	ROOM 1103, RIGHT				
12	S/B	ROOM 1102	0.052	P	P	None
13	S/B	ROOM 1104				
14	S/B	ROOM 1106				
15	S	ROOM 1113				
16	S	ROOM 1118C				
17	S	1118B	<0.05	P	P	None
18	S/B	ROOM 1121				
19	S/B	ROOM 1126				
20	S/B	ROOM 1120				
21	S/B	ROOM 1124				
22	S/B	ROOM 1125	0.068	P	P	None
23	S/B	ROOM 1131				
24	S/B	ROOM 1133				
25	S/B	ROOM 1135				
26	B	FIRST FLOOR, DRINKING FOUNTAIN, LEFT				
27	B	FIRST FLOOR, DRINKING FOUNTAIN, RIGHT	0.06	P	P	None
28	BF	FIRST FLOOR, BOTTLE FILLER				
29	S/B	ROOM 2101				
30	S/B	ROOM 2103				
31	S/B	ROOM 2102				
32	S/B	ROOM 2105	<0.05	P	P	None
33	S/B	ROOM 2104				
34	S/B	ROOM 2109				
35	S/B	ROOM 2113				
36	S/B	ROOM 2106				
37	S/B	ROOM 2112	0.053	P	P	None
38	S/B	ROOM 2114				
39	S/B	ROOM 2117				
40	S/B	ROOM 2116				
41	S/B	ROOM 2118				
42	B	2ND FLOOR, DRINKING FOUNTAIN, LEFT	0.062	P	P	None
43	B	2ND FLOOR, DRINKING FOUNTAIN, RIGHT				
44	BF	2ND FLOOR, BOTTLE FILLER				
45	S	LIBRARY				
46	S/B	ROOM 2108				

Table 6. Service Entry Test Results

"<" 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.