

**Seattle Public Schools
Drinking Water Quality Program**

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

Updated September 24, 2021

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 2022-2023.

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			Yes
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
50	S/B	ROOM 1130	P	None	P	None	P	None			Yes

51	S/B	ROOM 1132	P	None	P	None	P	None			Yes
52	S/B	ROOM 1134	P	None	P	None	P	None			Yes
53	S/B	ROOM 2124	P	None	P	None	P	None			Yes
54	S/B	ROOM 2126	P	None	P	None	P	None			Yes
55	S/B	ROOM 2128	P	None	P	None	P	None			Yes

Table 2. Lead Test Results

FIXTURE INFORMATION			8/20/2019			8/3/2021			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	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
50	S/B	ROOM 1130				<1	<1	P	P	None
51	S/B	ROOM 1132				<1	<1	P	P	None
52	S/B	ROOM 1134				<1	<1	P	P	None

53	S/B	ROOM 2124				<1	<1	P	P	None	
54	S/B	ROOM 2126				1	<1	P	P	None	
55	S/B	ROOM 2128				<1	<1	P	P	None	

Table 3. Cadmium Test Results

FIXTURE INFORMATION			8/20/2019			8/3/2021			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	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
50	S/B	ROOM 1130				<1	<1	P	P	None
51	S/B	ROOM 1132				<1	<1	P	P	None
52	S/B	ROOM 1134				<1	<1	P	P	None

53	S/B	ROOM 2124				<1	<1	P	P	None	
54	S/B	ROOM 2126				<1	<1	P	P	None	
55	S/B	ROOM 2128				<1	<1	P	P	None	

Table 4. Copper Test Results

FIXTURE INFORMATION			8/20/2019			8/3/2021			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	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
50	S/B	ROOM 1130				0.166	0.163	P	P	None
51	S/B	ROOM 1132				0.166	0.153	P	P	None
52	S/B	ROOM 1134				0.158	0.182	P	P	None

53	S/B	ROOM 2124				0.154	0.143	P	P	None	
54	S/B	ROOM 2126				0.136	0.128	P	P	None	
55	S/B	ROOM 2128				0.171	0.153	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.