

**Seattle Public Schools
Drinking Water Quality Program**

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

Updated March 2, 2020

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 sources meet the policy criteria.

Follow-up monitoring: Will be performed in school year 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
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	B	outside restroom, left	P	None	P	None	P	None	P	None	Yes
02	B	outside restroom	P	None	P	None	P	None			Yes
03	B	outside restroom	P	None	P	None	P	None			Yes
04	B	outside restroom, right	P	None	P	None	P	None			Yes
05	B	outside cafeteria, left	P	None	P	None	P	None	P	None	Yes
06	B	outside cafeteria, bottle filler	P	None	P	None	P	None			Yes
07	B	outside cafeteria	P	None	P	None	P	None			Yes
08	B	outside cafeteria, right	P	None	P	None	P	None			Yes
09	S/B	room 101	P	None	P	None	P	None	P	None	Yes
10	S/B	room 104	P	None	P	None	P	None	P	None	Yes
11	S/B	room 103, left	P	None	P	None	P	None	P	None	Yes
12	S/B	room 103, middle	P	None	P	None	P	None	P	None	Yes
13	S/B	room 103, right	P	None	P	None	P	None	P	None	Yes
14	S/B	room 102, left	P	None	P	None	P	None			Yes
15	S/B	room 102, middle	P	None	P	None	P	None	P	None	Yes
16	S/B	room 102, right	P	None	P	None	P	None	P	None	Yes
21	B	main level, left, (2nd floor)	P	None	P	None	P	None			Yes
22	B	main level, right, (2nd floor)	P	None	P	None	P	None			Yes
23A	S	kitchen, 2-faucet, left	P	None	P	None	P	None			Yes
23B	S	kitchen, 2-faucet, right	P	None	P	None	P	None			Yes
24	S	kitchen	P	None	P	None	P	None	P	None	Yes
26	S/B	room 201	P	None	P	None	P	None			Yes
27	S/B	room 202	P	None	P	None	P	None	P	None	Yes
28	S/B	room 203	P	None	P	None	P	None	P	None	Yes
29	S	staff lounge	P	None	P	None	P	None	P	None	Yes
30	S	nurse's office	P	None	P	None	P	None	P	None	Yes
31	S	speech therapy	P	None	P	None	P	None	P	None	Yes
32	S/B	room 205	P	None	P	None	P	None	P	None	Yes
33	S/B	room 206	P	None	P	None	P	None			Yes
34	S/B	room 207	P	None	P	None	P	None	P	None	Yes
35	S/B	room 208	P	None	P	None	P	None	P	None	Yes
36	S/B	room 307	P	None	P	None	P	None	P	None	Yes
37	S/B	room 305	P	None	P	None	P	None	P	None	Yes
38	B	upper level hallway, left	P	None	P	None	P	None			Yes
39	B	upper level hallway, right	P	None	P	None	P	None	P	None	Yes
40	S/B	room 304	P	None	P	None	P	None	P	None	Yes
41	S/B	room 301	P	None	P	None	P	None	P	None	Yes
42	S/B	room 302	P	None	P	None	P	None	P	None	Yes
43	S/B	room 303	P	None	P	None	P	None	P	None	Yes
44	S/B	room 308	P	None	P	None	P	None	P	None	Yes
45	S/B	room 309	P	None	P	None	P	None	P	None	Yes
46	S/B	room 310	P	None	P	None	P	None			Yes
47	S/B	room 311	P	None	P	None	P	None			Yes
48	S/B	room 312	P	None	P	None	P	None	P	None	Yes
49	S/B	room 313	P	None	P	None	P	None	P	None	Yes
50	S	room 306	P	None	P	None	P	None			Yes

52	S	3rd floor work room	P	None	P	None	P	None	P	None	Yes
55	S	2nd floor staff work room	P	None	P	None	P	None	P	None	Yes
65	S	room 101, by fixture 9	P	None	P	None	P	None	P	None	Yes
66	S	room 101	P	None	P	None	P	None			Yes
69	S	2nd floor volunteer room	P	None	P	None	P	None			Yes
70	S	room 105	P	None	P	None	P	None			Yes
71	S	library office	P	None	P	None	P	None			Yes
80	B	room 171 kindergarten, left	P	None	P	None	P	None			Yes
81	B	room 171 kindergarten, right	P	None	P	None	P	None			Yes
82	S	room 171 kindergarten, left	P	None	P	None	P	None			Yes
83	S	room 171 kindergarten, right	P	None	P	None	P	None			Yes
84	S	Childcare, kitchen	P	None	P	None	P	None			Yes
85	B	Childcare, left	P	None	P	None	P	None			Yes
86	B	Childcare, right	P	None	P	None	P	None			Yes
87	S	Childcare, left	P	None	P	None	P	None			Yes
88	S	Childcare, right	P	None	P	None	P	None			Yes

Table 2. Lead Test Results

FIXTURE INFORMATION			11/20/2012			2/3/2016			11/20/2018			2/25/2020			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	B	outside restroom, left	1	<1	P	<1	<1	P	<1	<1	P				P	None
02	B	outside restroom	<1	<1	P	<1	<1	P	<1	<1	P				P	None
03	B	outside restroom	<1	<1	P	<1	<1	P	<1	<1	P				P	None
04	B	outside restroom, right	<1	<1	P	<1	<1	P							P	None
05	B	outside cafeteria, left	<1	<1	P	<1	<1	P	<1	<1	P				P	None
06	B	outside cafeteria, bottle filler	<1	<1	P				<1	<1	P				P	None
07	B	outside cafeteria	<1	<1	P				<1	<1	P				P	None
08	B	outside cafeteria, right	<1	<1	P	<1	<1	P	<1	<1	P				P	None
09	S/B	room 101	<1	<1	P	<1	<1	P	<1	<1	P				P	None
10	S/B	room 104	<1	<1	P	<1	<1	P	<1	<1	P				P	None
11	S/B	room 103, left	<1	<1	P	<1	<1	P	<1	<1	P				P	None
12	S/B	room 103, middle	<1	<1	P	<1	<1	P	<1	<1	P				P	None
13	S/B	room 103, right	<1	<1	P	<1	<1	P	<1	<1	P				P	None
14	S/B	room 102, left	<1	<1	P	<1	<1	P	1	<1	P				P	None
15	S/B	room 102, middle	<1	<1	P	<1	<1	P	<1	<1	P				P	None
16	S/B	room 102, right	<1	<1	P	<1	<1	P	<1	<1	P				P	None
21	B	main level, left, (2nd floor)	<1	<1	P	<1	<1	P	<1	<1	P				P	None
22	B	main level, right, (2nd floor)	<1	<1	P	<1	<1	P	<1	<1	P				P	None
23A	S	kitchen, 2-faucet, left	<1	<1	P	2	<1	P	1	<1	P				P	None
23B	S	kitchen, 2-faucet, right	2	<1	P	<1	<1	P	<1	<1	P				P	None
24	S	kitchen	3	<1	P	1	<1	P	2	<1	P				P	None
26	S/B	room 201	<1	<1	P	<1	<1	P	<1	<1	P				P	None
27	S/B	room 202	<1	<1	P	<1	<1	P	<1	<1	P				P	None
28	S/B	room 203	<1	<1	P	<1	<1	P	<1	<1	P				P	None
29	S	staff lounge	<1	<1	P	<1	<1	P	<1	<1	P				P	None
30	S	nurse's office	6	<1	P	<1	2	P	<1	<1	P				P	None
31	S	speech therapy	<1	<1	P	<1	<1	P	<1	<1	P				P	None
32	S/B	room 205	<1	<1	P	<1	<1	P	<1	<1	P				P	None
33	S/B	room 206	<1	<1	P	<1	<1	P	<1	<1	P				P	None
34	S/B	room 207	<1	<1	P	<1	<1	P	<1	<1	P				P	None
35	S/B	room 208	<1	<1	P	<1	<1	P	<1	<1	P				P	None
36	S/B	room 307	1	<1	P	<1	<1	P	<1	<1	P				P	None
37	S/B	room 305	1	<1	P	<1	<1	P	<1	<1	P				P	None
38	B	upper level hallway, left	<1	<1	P	<1	<1	P	<1	<1	P				P	None
39	B	upper level hallway, right	<1	<1	P	<1	<1	P	<1	<1	P				P	None
40	S/B	room 304	1	<1	P	<1	<1	P	<1	<1	P				P	None
41	S/B	room 301	<1	<1	P	<1	<1	P	<1	<1	P				P	None
42	S/B	room 302	1	<1	P	<1	<1	P	1	<1	P				P	None
43	S/B	room 303	<1	<1	P	<1	<1	P	<1	<1	P				P	None
44	S/B	room 308	<1	<1	P	<1	<1	P	<1	<1	P				P	None
45	S/B	room 309	<1	<1	P	<1	<1	P	<1	<1	P				P	None
46	S/B	room 310	1	<1	P	<1	<1	P	<1	<1	P				P	None
47	S/B	room 311	<1	<1	P	<1	<1	P	<1	<1	P				P	None
48	S/B	room 312	<1	<1	P	<1	<1	P	<1	<1	P				P	None
49	S/B	room 313	<1	<1	P	<1	<1	P	1	<1	P				P	None
50	S	room 306	1	<1	P	1	<1	P	1	<1	P				P	None
52	S	3rd floor work room	1	<1	P	<1	<1	P	<1	<1	P				P	None
55	S	2nd floor staff work room	1	<1	P	3	<1	P	<1	<1	P				P	None

65	S	room 101, by fixture 9	<1	<1	P	<1	<1	P	<1	<1	P				P	None
66	S	room 101	<1	<1	P	<1	<1	P	<1	<1	P				P	None
69	S	2nd floor volunteer room	<1	<1	P	<1	<1	P	<1	<1	P				P	None
70	S	room 105	2	<1	P	<1	<1	P	<1	<1	P				P	None
71	S	library office				1	<1	P	<1	<1	P				P	None
80	B	room 171 kindergarten, left										<1	<1	P	P	None
81	B	room 171 kindergarten, right										<1		P	P	None
82	S	room 171 kindergarten, left										<1	<1	P	P	None
83	S	room 171 kindergarten, right										<1	<1	P	P	None
84	S	Childcare, kitchen										<1	<1	P	P	None
85	B	Childcare, left										<1	<1	P	P	None
86	B	Childcare, right										<1	<1	P	P	None
87	S	Childcare, left										<1	<1	P	P	None
88	S	Childcare, right										<1	<1	P	P	None

Table 3. Cadmium Test Results

FIXTURE INFORMATION			11/20/2012			2/3/2016			11/20/2018			2/25/2020			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	B	outside restroom, left	<1	<1	P	<1	<1	P	<1	<1	P				P	None
02	B	outside restroom	<1	<1	P	<1	<1	P	<1	<1	P				P	None
03	B	outside restroom	<1	<1	P	<1	<1	P	<1	<1	P				P	None
04	B	outside restroom, right	<1	<1	P	<1	<1	P							P	None
05	B	outside cafeteria, left	<1	<1	P	<1	<1	P	<1	<1	P				P	None
06	B	outside cafeteria, bottle filler	<1	<1	P				<1	<1	P				P	None
07	B	outside cafeteria	<1	<1	P				<1	<1	P				P	None
08	B	outside cafeteria, right	<1	<1	P	<1	<1	P	<1	<1	P				P	None
09	S/B	room 101	<1	<1	P	<1	<1	P	<1	<1	P				P	None
10	S/B	room 104	<1	<1	P	<1	<1	P	<1	<1	P				P	None
11	S/B	room 103, left	<1	<1	P	<1	<1	P	<1	<1	P				P	None
12	S/B	room 103, middle	<1	<1	P	<1	<1	P	<1	<1	P				P	None
13	S/B	room 103, right	<1	<1	P	<1	<1	P	<1	<1	P				P	None
14	S/B	room 102, left	<1	<1	P	<1	<1	P	<1	<1	P				P	None
15	S/B	room 102, middle	<1	<1	P	<1	<1	P	<1	<1	P				P	None
16	S/B	room 102, right	<1	<1	P	<1	<1	P	<1	<1	P				P	None
21	B	main level, left, (2nd floor)	<1	<1	P	<1	<1	P	<1	<1	P				P	None
22	B	main level, right, (2nd floor)	<1	<1	P	<1	<1	P	<1	<1	P				P	None
23A	S	kitchen, 2-faucet, left	<1	<1	P	<1	<1	P	<1	<1	P				P	None
23B	S	kitchen, 2-faucet, right	<1	<1	P	<1	<1	P	<1	<1	P				P	None
24	S	kitchen	<1	<1	P	<1	<1	P	<1	<1	P				P	None
26	S/B	room 201	<1	<1	P	<1	<1	P	<1	<1	P				P	None
27	S/B	room 202	<1	<1	P	<1	<1	P	<1	<1	P				P	None
28	S/B	room 203	<1	<1	P	<1	<1	P	<1	<1	P				P	None
29	S	staff lounge	<1	<1	P	<1	<1	P	<1	<1	P				P	None
30	S	nurse's office	<1	<1	P	<1	<1	P	<1	<1	P				P	None
31	S	speech therapy	<1	<1	P	<1	<1	P	<1	<1	P				P	None
32	S/B	room 205	<1	<1	P	<1	<1	P	<1	<1	P				P	None
33	S/B	room 206	<1	<1	P	<1	<1	P	<1	<1	P				P	None
34	S/B	room 207	<1	<1	P	<1	<1	P	<1	<1	P				P	None
35	S/B	room 208	<1	<1	P	<1	<1	P	<1	<1	P				P	None
36	S/B	room 307	<1	<1	P	<1	<1	P	<1	<1	P				P	None
37	S/B	room 305	<1	<1	P	<1	<1	P	<1	<1	P				P	None
38	B	upper level hallway, left	<1	<1	P	<1	<1	P	<1	<1	P				P	None
39	B	upper level hallway, right	<1	<1	P	<1	<1	P	<1	<1	P				P	None
40	S/B	room 304	<1	<1	P	<1	<1	P	<1	<1	P				P	None
41	S/B	room 301	<1	<1	P	<1	<1	P	<1	<1	P				P	None
42	S/B	room 302	<1	<1	P	<1	<1	P	<1	<1	P				P	None
43	S/B	room 303	<1	<1	P	<1	<1	P	<1	<1	P				P	None
44	S/B	room 308	<1	<1	P	<1	<1	P	<1	<1	P				P	None
45	S/B	room 309	<1	<1	P	<1	<1	P	<1	<1	P				P	None
46	S/B	room 310	<1	<1	P	<1	<1	P	<1	<1	P				P	None
47	S/B	room 311	<1	<1	P	<1	<1	P	<1	<1	P				P	None
48	S/B	room 312	<1	<1	P	<1	<1	P	<1	<1	P				P	None
49	S/B	room 313	<1	<1	P	<1	<1	P	<1	<1	P				P	None
50	S	room 306	<1	<1	P	<1	<1	P	<1	<1	P				P	None
52	S	3rd floor work room	<1	<1	P	<1	<1	P	<1	<1	P				P	None

55	S	2nd floor staff work room	<1	<1	P	<1	<1	P	<1	<1	P				P	None
65	S	room 101, by fixture 9	<1	<1	P	<1	<1	P	<1	<1	P				P	None
66	S	room 101	<1	<1	P	<1	<1	P	<1	<1	P				P	None
69	S	2nd floor volunteer room	<1	<1	P	<1	<1	P	<1	<1	P				P	None
70	S	room 105	<1	<1	P	<1	<1	P	<1	<1	P				P	None
71	S	library office				<1	<1	P	<1	<1	P				P	None
80	B	room 171 kindergarten, left										<1	<1	P	P	None
81	B	room 171 kindergarten, right										<1		P	P	None
82	S	room 171 kindergarten, left										<1	<1	P	P	None
83	S	room 171 kindergarten, right										<1	<1	P	P	None
84	S	Childcare, kitchen										<1	<1	P	P	None
85	B	Childcare, left										<1	<1	P	P	None
86	B	Childcare, right										<1	<1	P	P	None
87	S	Childcare, left										<1	<1	P	P	None
88	S	Childcare, right										<1	<1	P	P	None

Table 4. Copper Test Results

Table 5. Iron Test Results

Test Results (Iron/Fe, ppm)												
FIXTURE INFORMATION			11/20/2009		11/20/2012		2/3/2016		11/20/2018		Summary Status	
Fixture ID	Type	Location	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Pass/Fail	Status
01	B	outside restroom, left									P	None
02	B	outside restroom										
03	B	outside restroom										
04	B	outside restroom, right										
05	B	outside cafeteria, left							<0.05	P	P	None
06	B	outside cafeteria, bottle filler										
07	B	outside cafeteria										
08	B	outside cafeteria, right										
09	S/B	room 101	<0.05	P							P	None
10	S/B	room 104			<0.05	P					P	None
11	S/B	room 103, left					<0.05	P			P	None
12	S/B	room 103, middle							<0.05	P	P	None
13	S/B	room 103, right									P	None
14	S/B	room 102, left										
15	S/B	room 102, middle									P	None
16	S/B	room 102, right									P	None
21	B	main level, left, (2nd floor)										
22	B	main level, right, (2nd floor)										
23A	S	kitchen, 2-faucet, left										
23B	S	kitchen, 2-faucet, right										
24	S	kitchen									P	None
26	S/B	room 201										
27	S/B	room 202	<0.05	P							P	None
28	S/B	room 203			<0.05	P					P	None
29	S	staff lounge					<0.05	P			P	None
30	S	nurse's office							<0.05	P	P	None
31	S	speech therapy									P	None
32	S/B	room 205									P	None
33	S/B	room 206										
34	S/B	room 207	<0.05	P							P	None
35	S/B	room 208			<0.05	P					P	None
36	S/B	room 307					<0.05	P			P	None
37	S/B	room 305							<0.05	P	P	None
38	B	upper level hallway, left										
39	B	upper level hallway, right									P	None
40	S/B	room 304									P	None
41	S/B	room 301									P	None
42	S/B	room 302	<0.05	P							P	None
43	S/B	room 303			<0.05	P					P	None
44	S/B	room 308					0.772		<0.05	P	P	None
45	S/B	room 309									P	None
46	S/B	room 310										
47	S/B	room 311										
48	S/B	room 312									P	None
49	S/B	room 313	<0.05	P							P	None
50	S	room 306										

52	S	3rd floor work room			<0.05	P					P	None
55	S	2nd floor staff work room					<0.05	P			P	None
65	S	room 101, by fixture 9							<0.05	P	P	None
66	S	room 101										
69	S	2nd floor volunteer room										
70	S	room 105										
71	S	library office										

Table 6. Service Entry Test Results

Test Results (Service Entry/SE, Units as Shown)						
SOURCE INFORMATION			Most Recent Sampling			
Fixture ID	Type	Location	Item	Sampled	Max Value	Pass/Fail
00	SE	mech sprinkler room	Arsenic	20-Nov-18	2 ppb	P
00	SE	mech sprinkler room	Cadmium	20-Nov-18	1 ppb	P
00	SE	mech sprinkler room	Chlorine	21-May-04	0.5 ppm	P
00	SE	mech sprinkler room	Copper	20-Nov-18	0.055 ppm	P
00	SE	mech sprinkler room	E coli	21-May-04	<1 Colonies	P
00	SE	mech sprinkler room	Iron	20-Nov-18	<0.05 ppm	P
00	SE	mech sprinkler room	Lead	20-Nov-18	1 ppb	P
00	SE	mech sprinkler room	Total Coliforms	20-Nov-09	<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.