

**Seattle Public Schools
Drinking Water Quality Program**

**Results of Water Quality Testing
for
West Seattle Elementary School**

Updated July 14, 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 the policy criteria.

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	B	hallway, boy/girl, 1st floor	P	None	P	None	P	None	P	None	Yes
02	B/S	room 2, preschool	P	None	P	None	P	None	P	None	Yes
03	B/S	room 1, headstart	P	None	P	None	P	None	P	None	Yes
04	B	multi purpose room, lunch room,	P	None	P	None	P	None	P	None	Yes
05	BF	multi purpose room, lunch room, bottle filler	P	None	P	None	P	None	P	None	Yes
06	B	hallway, by office	P	None	P	None	P	None	P	None	Yes
07	B/S	room 4	P	None	P	None	P	None	P	None	Yes
08	B/S	room 5	P	None	P	None	P	None	P	None	Yes
09	B/S	room 6	P	None	P	None	P	None			Yes
10	B/S	room 8	P	None	P	None	P	None	P	None	Yes
11	B/S	room 9	P	None	P	None	P	None	P	None	Yes
12	B	hallway, by room 9	P	None	P	None	P	None	P	None	Yes
13	B	boy / girl, 2nd floor, by 104	P	None	P	None	P	None	P	None	Yes
14	B/S	room 104	P	None	P	None	P	None	P	None	Yes
15	B/S	room 113, 2nd & 3rd	P	None	P	None	P	None	P	None	Yes
16	B/S	room 114, 2nd & 3rd	P	None	P	None	P	None	P	None	Yes
17	B/S	room 115	P	None	P	None	P	None	P	None	Yes
18	B/S	room 112	P	None	P	None	P	None	P	None	Yes
19	B/S	room 111	P	None	P	None	P	None	P	None	Yes
20	B/S	room 110	P	None	P	None	P	None	P	None	Yes
21	B/S	room 109	P	None	P	None	P	None	P	None	Yes
22	B/S	room 108	P	None	P	None	P	None	P	None	Yes
23	B/S	room 107	P	None	P	None	P	None	P	None	Yes
24	B/S	room 106	P	None	P	None	P	None	P	None	Yes
25	B/S	room 105	P	None	P	None	P	None	P	None	Yes
26	B	boy / girl, by room 105	P	None	P	None	P	None	P	None	Yes
27	B/S	room 103	P	None	P	None	P	None	P	None	Yes
28	B/S	room 102	P	None	P	None	P	None	P	None	Yes
29	B/S	room 101	P	None	P	None	P	None	P	None	Yes
30	B/S	room 7	P	None	P	None	P	None	P	None	Yes
31	B/S	nurses office	P	None	P	None	P	None	P	None	Yes
32	S	work room	P	None	P	None	P	None	P	None	Yes
33	S	kitchen sink, left	P	None	P	None	P	None	P	None	Yes
36	S	teachers lounge	P	None	P	None	P	None	P	None	Yes
38	S	kitchen sink, right	P	None	P	None	P	None			Yes
39	S	kitchen spray	P	None	P	None	P	None	P	None	Yes
40	S	Kitchen spray	P	None	P	None	P	None	P	None	Yes
47	S	library office	P	None	P	None	P	None	P	None	Yes
48	S	room 104	P	None	P	None	P	None			Yes
50	S	conference room	P	None	P	None	P	None			Yes

Table 2. Lead Test Results

FIXTURE INFORMATION			7/14/2010			8/21/2013			7/27/2016			3/22/2017			6/18/2020			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	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	B	hallway, boy/girl, 1st floor	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
02	B/S	room 2, preschool	3	<1	P	3	<1	P	3	<1	P				2	<1	P	P	None
03	B/S	room 1, headstart	2	<1	P	2	<1	P	<1	<1	P				1	2	P	P	None
04	B	multi purpose room, lunch room,	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
05	BF	multi purpose room, lunch room, bottle filler	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
06	B	hallway, by office	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
07	B/S	room 4	<1	<1	P	4	<1	P	4	<1	P				2	<1	P	P	None
08	B/S	room 5	2	<1	P	1	<1	P	<1	<1	P				<1	<1	P	P	None
09	B/S	room 6	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
10	B/S	room 8	2	<1	P	2	<1	P	1	<1	P				1	<1	P	P	None
11	B/S	room 9	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
12	B	hallway, by room 9	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
13	B	boy / girl, 2nd floor, by 104	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
14	B/S	room 104	5	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
15	B/S	room 113, 2nd & 3rd	5	1	P	2	<1	P	1	<1	P				<1	<1	P	P	None
16	B/S	room 114, 2nd & 3rd	2	<1	P	2	<1	P	<1	<1	P				2	<1	P	P	None
17	B/S	room 115	<1	2	P	4	<1	P	2	<1	P				<1	<1	P	P	None
18	B/S	room 112	<1	<1	P	<1	<1	P	36	3		<1	<1	P	1	<1	P	P	None
19	B/S	room 111	5	<1	P	1	<1	P	1	<1	P				1	<1	P	P	None
20	B/S	room 110	4	1	P	2	<1	P	1	<1	P				<1	<1	P	P	None
21	B/S	room 109	2	<1	P	<1	<1	P	1	<1	P				<1	<1	P	P	None
22	B/S	room 108	6	1	P	<1	<1	P	3	<1	P				<1	<1	P	P	None
23	B/S	room 107	<1	<1	P	1	<1	P	<1	<1	P				<1	<1	P	P	None
24	B/S	room 106	<1	<1	P	<1	<1	P	<1	<1	P				2	<1	P	P	None
25	B/S	room 105	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
26	B	boy / girl, by room 105	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
27	B/S	room 103	2	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
28	B/S	room 102	3	2	P	5	<1	P	5	<1	P				2	<1	P	P	None
29	B/S	room 101	<1	<1	P	1	<1	P	1	<1	P				1	<1	P	P	None
30	B/S	room 7	2	<1	P	2	<1	P	1	<1	P				<1	<1	P	P	None
31	B/S	nurses office	3	1	P	<1	<1	P	<1	<1	P				2	<1	P	P	None
32	S	work room	7	1	P	1	<1	P	<1	<1	P				<1	<1	P	P	None
33	S	kitchen sink, left	<1	<1	P	3	<1	P	<1	1	P							P	None
36	S	teachers lounge	4	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
38	S	kitchen sink, right	3	<1	P	4	<1	P	3	<1	P				1	<1	P	P	None
39	S	kitchen spray	7	1	P	5	<1	P	4	3	P				4	<1	P	P	None
40	S	Kitchen spray	10	<1	P	14	<1		3	1	P				2	<1	P	P	None
47	S	library office	2	<1	P	<1	<1	P							<1	<1	P	P	None
48	S	room 104	9	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
50	S	conference room	4	<1	P	11	2		462	38		<1	<1	P	8	2	P	P	None

Table 3. Cadmium Test Results

FIXTURE INFORMATION			7/14/2010			8/21/2013			7/27/2016			3/22/2017			6/18/2020			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	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	B	hallway, boy/girl, 1st floor	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
02	B/S	room 2, preschool	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
03	B/S	room 1, headstart	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
04	B	multi purpose room, lunch room,	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
05	BF	multi purpose room, lunch room, bottle filler	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
06	B	hallway, by office	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
07	B/S	room 4	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
08	B/S	room 5	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
09	B/S	room 6	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
10	B/S	room 8	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
11	B/S	room 9	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
12	B	hallway, by room 9	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
13	B	boy / girl, 2nd floor, by 104	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
14	B/S	room 104	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
15	B/S	room 113, 2nd & 3rd	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
16	B/S	room 114, 2nd & 3rd	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
17	B/S	room 115	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
18	B/S	room 112	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
19	B/S	room 111	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
20	B/S	room 110	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
21	B/S	room 109	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
22	B/S	room 108	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
23	B/S	room 107	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
24	B/S	room 106	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
25	B/S	room 105	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
26	B	boy / girl, by room 105	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
27	B/S	room 103	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
28	B/S	room 102	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
29	B/S	room 101	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
30	B/S	room 7	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
31	B/S	nurses office	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
32	S	work room	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
33	S	kitchen sink, left	<1	<1	P	<1	<1	P	<1	<1	P							P	None
36	S	teachers lounge	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
38	S	kitchen sink, right	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
39	S	kitchen spray	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
40	S	Kitchen spray	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
47	S	library office	<1	<1	P	<1	<1	P							<1	<1	P	P	None
48	S	room 104	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
50	S	conference room	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None

Table 4. Copper Test Results

FIXTURE INFORMATION			7/14/2010			8/21/2013			7/27/2016			3/22/2017			6/18/2020			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	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	B	hallway, boy/girl, 1st floor	<0.002	<0.002	P	<0.002	<0.002	P	<0.002	<0.002	P				0.005	0.005	P	P	None
02	B/S	room 2, preschool	0.068	0.058	P	0.076	0.069	P	0.084	0.075	P				0.108	0.117	P	P	None
03	B/S	room 1, headstart	0.067	0.077	P	0.081	0.083	P	0.078	0.072	P				0.097	0.101	P	P	None
04	B	multi purpose room, lunch room,	0.002	<0.002	P	<0.002	<0.002	P	<0.002	<0.002	P				<0.002	<0.002	P	P	None
05	BF	multi purpose room, lunch room, bottle filler	<0.002	<0.002	P	<0.002	<0.002	P	<0.002	<0.002	P				0.173	0.117	P	P	None
06	B	hallway, by office	0.141	0.2	P	0.129	0.14	P	0.113	0.124	P				0.13	0.128	P	P	None
07	B/S	room 4	0.143	0.087	P	0.121	0.108	P	0.107	0.093	P				0.128	0.102	P	P	None
08	B/S	room 5	0.114	0.091	P	0.149	0.122	P	0.115	0.102	P				0.137	0.127	P	P	None
09	B/S	room 6	<0.002	<0.002	P	<0.002	<0.002	P	<0.002	<0.002	P				<0.002	<0.002	P	P	None
10	B/S	room 8	0.073	0.06	P	0.138	0.097	P	0.147	0.111	P				0.131	0.123	P	P	None
11	B/S	room 9	0.009	0.002	P	0.002	<0.002	P	0.004	<0.002	P				0.006	0.006	P	P	None
12	B	hallway, by room 9	0.007	<0.002	P	0.003	<0.002	P	0.005	<0.002	P				<0.002	<0.002	P	P	None
13	B	boy / girl, 2nd floor, by 104	0.004	<0.002	P	0.003	<0.002	P	0.013	0.003	P				0.002	<0.002	P	P	None
14	B/S	room 104	0.136	0.059	P	0.17	0.183	P	0.141	0.144	P				0.133	0.139	P	P	None
15	B/S	room 113, 2nd & 3rd	0.15	0.153	P	0.211	0.243	P	0.16	0.16	P				0.194	0.181	P	P	None
16	B/S	room 114, 2nd & 3rd	0.143	0.116	P	0.259	0.244	P	0.169	0.174	P				0.199	0.162	P	P	None
17	B/S	room 115	0.07	0.093	P	0.11	0.093	P	0.103	0.096	P				0.135	0.119	P	P	None
18	B/S	room 112	0.009	0.002	P	0.005	<0.002	P	0.067	0.012	P	<0.002	<0.002	P	0.009	0.002	P	P	None
19	B/S	room 111	0.073	0.052	P	0.087	0.081	P	0.106	0.092	P				0.12	0.133	P	P	None
20	B/S	room 110	0.261	0.206	P	0.377	0.33	P	0.248	0.248	P				0.261	0.179	P	P	None
21	B/S	room 109	0.088	0.051	P	0.081	0.076	P	0.099	0.083	P				0.119	0.114	P	P	None
22	B/S	room 108	0.071	0.051	P	0.005	<0.002	P	0.002	<0.002	P				0.004	<0.002	P	P	None
23	B/S	room 107	0.178	0.192	P	0.238	0.077	P	0.177	0.212	P				0.174	0.183	P	P	None
24	B/S	room 106	0.081	0.046	P	0.072	0.068	P	0.079	0.07	P				0.11	0.103	P	P	None
25	B/S	room 105	0.002	0.002	P	<0.002	<0.002	P	<0.002	<0.002	P				<0.002	<0.002	P	P	None
26	B	boy / girl, by room 105	0.003	0.002	P	<0.002	<0.002	P	<0.002	<0.002	P				<0.002	<0.002	P	P	None
27	B/S	room 103	0.109	0.091	P	0.127	0.119	P	0.154	0.147	P				0.165	0.158	P	P	None
28	B/S	room 102	0.1	0.093	P	0.142	0.122	P	0.149	0.149	P				0.171	0.156	P	P	None
29	B/S	room 101	0.094	0.047	P	0.103	0.082	P	0.11	0.092	P				0.12	0.106	P	P	None
30	B/S	room 7	0.109	0.067	P	0.191	0.13	P	0.139	0.122	P				0.136	0.145	P	P	None
31	B/S	nurses office	0.081	0.059	P	0.109	0.08	P	0.113	0.096	P				0.136	0.14	P	P	None
32	S	work room	0.102	0.055	P	0.158	0.302	P	0.178	0.212	P				0.216	0.296	P	P	None
33	S	kitchen sink, left	0.07	0.049	P	0.104	0.069	P	0.121	0.2	P							P	None
36	S	teachers lounge	0.052	0.031	P	0.033	0.032	P	0.084	0.024	P				0.07	0.055	P	P	None
38	S	kitchen sink, right	0.065	0.048	P	0.095	0.069	P	0.099	0.106	P				0.115	0.103	P	P	None
39	S	kitchen spray	0.064	0.051	P	0.064	0.059	P	0.132	0.21	P				0.079	0.087	P	P	None
40	S	Kitchen spray	0.091	0.05	P	0.097	0.067	P	0.099	0.077	P				0.135	0.096	P	P	None
47	S	library office	0.13	0.099	P	0.176	0.124	P							0.17	0.093	P	P	None
48	S	room 104	0.129	0.198	P	0.173	0.313	P	0.205	0.223	P				0.217	0.192	P	P	None
50	S	conference room	0.154	0.055	P	0.161	0.085	P	0.215	0.072	P	0.316	0.089	P	0.213	0.096	P	P	None

Table 5. Iron Test Results

FIXTURE INFORMATION			7/14/2010		8/21/2013		7/27/2016		6/18/2020		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	hallway, boy/girl, 1st floor									P	None
02	B/S	room 2, preschool									P	None
03	B/S	room 1, headstart									P	None
04	B	multi purpose room, lunch room,									P	None
05	BF	multi purpose room, lunch room, bottle filler									P	None
06	B	hallway, by office									P	None
07	B/S	room 4							<0.05	P	P	None
08	B/S	room 5									P	None
09	B/S	room 6										
10	B/S	room 8	<0.05	P							P	None
11	B/S	room 9			<0.05	P					P	None
12	B	hallway, by room 9					<0.05	P			P	None
13	B	boy / girl, 2nd floor, by 104									P	None
14	B/S	room 104							<0.05	P	P	None
15	B/S	room 113, 2nd & 3rd									P	None
16	B/S	room 114, 2nd & 3rd	<0.05	P							P	None
17	B/S	room 115			<0.05	P					P	None
18	B/S	room 112					0.103	P			P	None
19	B/S	room 111									P	None
20	B/S	room 110									P	None
21	B/S	room 109									P	None
22	B/S	room 108							<0.05	P	P	None
23	B/S	room 107									P	None
24	B/S	room 106	<0.05	P							P	None
25	B/S	room 105			<0.05	P					P	None
26	B	boy / girl, by room 105									P	None
27	B/S	room 103									P	None
28	B/S	room 102									P	None
29	B/S	room 101									P	None
30	B/S	room 7							<0.05	P	P	None
31	B/S	nurses office									P	None
32	S	work room									P	None
33	S	kitchen sink, left									P	None
36	S	teachers lounge									P	None
38	S	kitchen sink, right										
39	S	kitchen spray					<0.05	P			P	None
40	S	Kitchen spray	<0.05	P							P	None
47	S	library office							<0.05	P	P	None
48	S	room 104										
50	S	conference room										

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	2nd floor custodian closet near mech room	Arsenic	18-Jun-20	2 ppb	P
00	SE	2nd floor custodian closet near mech room	Cadmium	18-Jun-20	1 ppb	P
00	SE	2nd floor custodian closet near mech room	Chlorine	15-Apr-04	0.5 ppm	P
00	SE	2nd floor custodian closet near mech room	Copper	18-Jun-20	0.136 ppm	P
00	SE	2nd floor custodian closet near mech room	E coli	15-Apr-04	<1 Colonies	P
00	SE	2nd floor custodian closet near mech room	Iron	18-Jun-20	<0.05 ppm	P
00	SE	2nd floor custodian closet near mech room	Lead	18-Jun-20	1 ppb	P
00	SE	2nd floor custodian closet near mech room	Total Coliforms	15-Nov-07	<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.