

**Seattle Public Schools
Drinking Water Quality Program**

**Results of Water Quality Testing
for
LAWTON ELEMENTARY SCHOOL**

Updated September 2, 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 sources meet the policy criteria. Drinking fountain in cafeteria will be removed.

Follow-up monitoring: Will be performed in 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/B	room 210, right	P	None	P	None	P	None			Yes
02	S/B	room 209	P	None	P	None	P	None			Yes
03	S/B	room 208	P	None	P	None	P	None	P	None	Yes
04	S/B	room 207	P	None	P	None	P	None	P	None	Yes
05	S/B	room 206	P	None	P	None	P	None	P	None	Yes
06	B	hallway	P	None	P	None	P	None			Yes
07	S/B	room 205	P	None	P	None	P	None	P	None	Yes
08	S/B	room 204	P	None	P	None	P	None			Yes
09	S/B	room 203	P	None	P	None	P	None			Yes
10	S/B	room 202	P	None	P	None	P	None			Yes
11	S/B	room 201	P	None	P	None	P	None			Yes
12	B	hallway	P	None	P	None	P	None			Yes
13	B	inside gym	P	None	P	None	P	None			Yes
14	B	outside gym	P	None	P	None	P	None	P	None	Yes
16	B	hallway	P	None	P	None	P	None			Yes
17	B	hallway	P	None	P	None	P	None	P	None	Yes
18	S/B	room 101	P	None	P	None	P	None			Yes
19	S/B	room 102	P	None	P	None	P	None			Yes
20	S/B	room 103	P	None	P	None	P	None			Yes
21	S/B	room 104	P	None	P	None	P	None			Yes
22	S/B	room 105	P	None	P	None	P	None			Yes
23	S/B	room 106	P	None	P	None	P	None			Yes
24	S/B	room 107	P	None	P	None	P	None	P	None	Yes
25	S/B	room 108	P	None	P	None	P	None	P	None	Yes
26	S/B	room 109	P	None	P	None	P	None	P	None	Yes
27	S/B	room 110	P	None	P	None	P	None	P	None	Yes
28	S/B	room 111	P	None	P	None	P	None	P	None	Yes
29	S/B	room 112	P	None	P	None	P	None			Yes
30	S/B	room 113	P	None	P	None	P	None	P	None	Yes
32	S	nurse's office	P	None	P	None	P	None	P	None	Yes
33	S	kitchen - north sink	P	None	P	None	P	None	P	None	Yes
34	S	kitchen - south sink	P	None	P	None	P	None	P	None	Yes
39	S	office work room	P	None	P	None	P	None	P	None	Yes
40	S	library office	P	None	P	None	P	None	P	None	Yes
41	S	room 210, left	P	None	P	None	P	None			Yes
42	S	staff lounge	P	None	P	None	P	None			Yes
43	BF	FIRST FLOOR HALLWAY, BOTTLE FILLER	P	None	P	None	P	None			Yes

Table 2. Lead Test Results

FIXTURE INFORMATION			3/25/2009			4/26/2012			5/27/2015			8/7/2019			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	S/B	room 210, right	<1	<1	P	<1	<1	P	2	<1	P	<1	<1	P	P	None
02	S/B	room 209	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
03	S/B	room 208	2	<1	P	<1	<1	P	1	<1	P	1	<1	P	P	None
04	S/B	room 207	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
05	S/B	room 206	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
06	B	hallway	<1	1	P	<1	<1	P				<1	<1	P	P	None
07	S/B	room 205	3	1	P	2	<1	P	1	<1	P	2	<1	P	P	None
08	S/B	room 204	1	<1	P	<1	<1	P	<1	<1	P	2	<1	P	P	None
09	S/B	room 203	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
10	S/B	room 202	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
11	S/B	room 201	2	1	P	1	<1	P	1	<1	P	3	1	P	P	None
12	B	hallway	<1	1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
13	B	inside gym	<1	<1	P	<1	<1	P	<1	<1	P	2	<1	P	P	None
14	B	outside gym	1	<1	P	<1	<1	P	<1	<1	P	2	<1	P	P	None
16	B	hallway	1	<1	P	<1	<1	P	2	<1	P	4	1	P	P	None
17	B	hallway	1	1	P	3	<1	P	2	<1	P	<1	<1	P	P	None
18	S/B	room 101	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
19	S/B	room 102	1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
20	S/B	room 103	2	1	P	2	<1	P	<1	1	P	1	<1	P	P	None
21	S/B	room 104	1	1	P	1	<1	P	2	<1	P	1	<1	P	P	None
22	S/B	room 105	2	1	P	1	<1	P	<1	<1	P	1	<1	P	P	None
23	S/B	room 106	1	1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
24	S/B	room 107	1	1	P	1	<1	P	<1	<1	P	1	<1	P	P	None
25	S/B	room 108	2	1	P	1	<1	P	2	<1	P	2	<1	P	P	None
26	S/B	room 109	2	1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
27	S/B	room 110	1	<1	P	<1	<1	P	<1	<1	P	1	<1	P	P	None
28	S/B	room 111	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
29	S/B	room 112	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
30	S/B	room 113	1	<1	P	1	<1	P	<1	<1	P	1	<1	P	P	None
32	S	nurse's office	<1	<1	P	<1	<1	P	2	<1	P	<1	<1	P	P	None
33	S	kitchen - north sink	1	<1	P	3	<1	P	1	<1	P	<1	<1	P	P	None
34	S	kitchen - south sink	9	<1	P	10	<1	P	4	<1	P	5	<1	P	P	None
39	S	office work room	8	<1	P	7	<1	P	9	<1	P	3	<1	P	P	None
40	S	library office	<1	<1	P	<1	<1	P	3	<1	P	2	<1	P	P	None
41	S	room 210, left	4	<1	P	3	<1	P	4	<1	P	2	<1	P	P	None
42	S	staff lounge	<1	<1	P	1	<1	P	<1	<1	P	<1	<1	P	P	None
43	BF	FIRST FLOOR HALLWAY, BOTTLE FILLER										<1	<1	P	P	None

Table 3. Cadmium Test Results

FIXTURE INFORMATION			3/25/2009			4/26/2012			5/27/2015			8/7/2019			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	S/B	room 210, right	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
02	S/B	room 209	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
03	S/B	room 208	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
04	S/B	room 207	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
05	S/B	room 206	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
06	B	hallway	<1	<1	P	<1	<1	P				<1	<1	P	P	None
07	S/B	room 205	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
08	S/B	room 204	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
09	S/B	room 203	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
10	S/B	room 202	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
11	S/B	room 201	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
12	B	hallway	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
13	B	inside gym	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
14	B	outside gym	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
16	B	hallway	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
17	B	hallway	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
18	S/B	room 101	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
19	S/B	room 102	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
20	S/B	room 103	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
21	S/B	room 104	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
22	S/B	room 105	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
23	S/B	room 106	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
24	S/B	room 107	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
25	S/B	room 108	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
26	S/B	room 109	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
27	S/B	room 110	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
28	S/B	room 111	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
29	S/B	room 112	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
30	S/B	room 113	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
32	S	nurse's office	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
33	S	kitchen - north sink	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
34	S	kitchen - south sink	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
39	S	office work room	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
40	S	library office	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
41	S	room 210, left	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
42	S	staff lounge	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
43	BF	FIRST FLOOR HALLWAY, BOTTLE FILLER										<1	<1	P	P	None

Table 4. Copper Test Results

FIXTURE INFORMATION			3/25/2009			4/26/2012			5/27/2015			8/7/2019			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	S/B	room 210, right	0.312	0.335	P	0.507	0.288	P	0.545	0.33	P	0.469	0.257	P	P	None
02	S/B	room 209	0.128	0.112	P	0.459	0.284	P	0.198	0.124	P	0.164	0.046	P	P	None
03	S/B	room 208	0.315	0.275	P	0.512	0.449	P	0.245	0.238	P	0.218	0.189	P	P	None
04	S/B	room 207	0.173	0.123	P	0.425	0.239	P	0.208	0.16	P	0.175	0.155	P	P	None
05	S/B	room 206	0.327	0.121	P	0.534	0.252	P	0.274	0.111	P	0.189	0.06	P	P	None
06	B	hallway	0.177	0.195	P	0.433	0.452	P				0.116	0.124	P	P	None
07	S/B	room 205	0.391	0.25	P	0.26	0.585	P	0.268	0.232	P	0.234	0.245	P	P	None
08	S/B	room 204	0.004	0.003	P	0.005	<0.002	P	0.003	<0.002	P	0.006	0.002	P	P	None
09	S/B	room 203	0.226	0.126	P	0.495	0.283	P	0.165	0.11	P	0.112	0.085	P	P	None
10	S/B	room 202	0.186	0.178	P	0.533	0.466	P	0.168	0.145	P	0.236	0.174	P	P	None
11	S/B	room 201	0.223	0.081	P	0.44	0.233	P	0.133	0.069	P	0.304	0.148	P	P	None
12	B	hallway	0.199	0.168	P	0.48	0.489	P	0.115	0.125	P	0.043	0.053	P	P	None
13	B	inside gym	0.063	0.025	P	0.199	0.11	P	0.043	0.034	P	0.132	0.08	P	P	None
14	B	outside gym	0.133	0.04	P	0.333	0.316	P	0.066	0.08	P	0.07	0.026	P	P	None
16	B	hallway	0.16	0.105	P	0.492	0.359	P	0.138	0.101	P	0.156	0.12	P	P	None
17	B	hallway	0.124	0.082	P	0.46	0.32	P	0.105	0.067	P	0.094	0.021	P	P	None
18	S/B	room 101	0.182	0.084	P	0.41	0.288	P	0.111	0.095	P	0.121	0.079	P	P	None
19	S/B	room 102	0.005	0.004	P	0.005	<0.002	P	0.002	<0.002	P	0.007	0.002	P	P	None
20	S/B	room 103	0.199	0.115	P	0.476	0.407	P	0.123	0.16	P	0.15	0.078	P	P	None
21	S/B	room 104	0.238	0.153	P	0.474	0.514	P	0.193	0.154	P	0.167	0.12	P	P	None
22	S/B	room 105	0.248	0.246	P	0.554	0.614	P	0.26	0.249	P	0.184	0.222	P	P	None
23	S/B	room 106	0.232	0.095	P	0.502	0.311	P	0.169	0.123	P	0.183	0.093	P	P	None
24	S/B	room 107	0.254	0.189	P	0.531	0.501	P	0.217	0.186	P	0.172	0.191	P	P	None
25	S/B	room 108	0.256	0.212	P	0.524	0.55	P	0.26	0.225	P	0.204	0.183	P	P	None
26	S/B	room 109	0.097	0.095	P	0.46	0.252	P	0.161	0.14	P	0.162	0.078	P	P	None
27	S/B	room 110	0.003	0.002	P	0.004	<0.002	P	0.005	<0.002	P	0.039	0.026	P	P	None
28	S/B	room 111	0.002	0.002	P	0.006	<0.002	P	<0.002	<0.002	P	0.013	0.012	P	P	None
29	S/B	room 112	0.353	0.266	P	0.268	0.521	P	0.351	0.385	P	0.357	0.345	P	P	None
30	S/B	room 113	0.326	0.406	P	0.446	0.49	P	0.256	0.338	P	0.232	0.306	P	P	None
32	S	nurse's office	0.168	0.133	P	0.285	0.242	P	0.213	0.244	P	0.013	0.005	P	P	None
33	S	kitchen - north sink	0.19	0.116	P	0.403	0.326	P	0.089	0.05	P	0.069	0.045	P	P	None
34	S	kitchen - south sink	0.158	0.113	P	0.324	0.305	P	0.11	0.098	P	0.213	0.054	P	P	None
39	S	office work room	0.238	0.073	P	0.561	0.708	P	0.492	0.694	P	0.697	0.164	P	P	None
40	S	library office	0.277	0.239	P	0.684	0.667	P	0.282	0.385	P	0.343	0.294	P	P	None
41	S	room 210, left	0.253	0.111	P	0.48	0.346	P	0.344	0.347	P	0.231	0.029	P	P	None
42	S	staff lounge	0.206	0.194	P	0.416	0.63	P	0.204	0.207	P	0.009	0.009	P	P	None
43	BF	FIRST FLOOR HALLWAY, BOTTLE FILLER										0.071	0.05	P	P	None

Table 5. Iron Test Results

FIXTURE INFORMATION			3/25/2009		4/26/2012		5/27/2015		8/7/2019		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	S/B	room 210, right										
02	S/B	room 209										
03	S/B	room 208	0.057	P	<0.05	P					P	None
04	S/B	room 207					<0.05	P			P	None
05	S/B	room 206							<0.05	P	P	None
06	B	hallway										
07	S/B	room 205									P	None
08	S/B	room 204										
09	S/B	room 203										
10	S/B	room 202										
11	S/B	room 201										
12	B	hallway										
13	B	inside gym										
14	B	outside gym									P	None
16	B	hallway										
17	B	hallway							<0.05	P	P	None
18	S/B	room 101										
19	S/B	room 102										
20	S/B	room 103										
21	S/B	room 104										
22	S/B	room 105										
23	S/B	room 106										
24	S/B	room 107	0.067	P							P	None
25	S/B	room 108									P	None
26	S/B	room 109			<0.05	P					P	None
27	S/B	room 110					<0.05	P			P	None
28	S/B	room 111							<0.05	P	P	None
29	S/B	room 112										
30	S/B	room 113	0.05	P							P	None
32	S	nurse's office			<0.05	P					P	None
33	S	kitchen - north sink	0.062	P			<0.05	P			P	None
34	S	kitchen - south sink			<0.05	P			<0.05	P	P	None
39	S	office work room					<0.05	P			P	None
40	S	library office							<0.05	P	P	None
41	S	room 210, left										
42	S	staff lounge										

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	outside wall by parking lot	Arsenic	07-Aug-19	2 ppb	P
00	SE	outside wall by parking lot	Cadmium	07-Aug-19	1 ppb	P
00	SE	outside wall by parking lot	Chlorine	30-Apr-04	0.1 ppm	P
00	SE	outside wall by parking lot	Copper	07-Aug-19	0.045 ppm	P
00	SE	outside wall by parking lot	E coli	30-Apr-04	<1 Colonies	P
00	SE	outside wall by parking lot	Iron	07-Aug-19	<0.05 ppm	P
00	SE	outside wall by parking lot	Lead	07-Aug-19	1 ppb	P
00	SE	outside wall by parking lot	Total Coliforms	25-Mar-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.