

Portland Public Schools
Lead and Copper Water Sampling Results
Initial and Follow Up Flush Sample Data
Vernon Elementary

Sample Identification #	Location	Date/Time Collected	Date Analyzed	Lab ID	Analyte	Results	Detection Limit	PPS Action Level*	Units
284-CH1689-A-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-05RE1	Copper	0.531	0.00200	1.3	ppm
284-CH1689-A-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-05RE1	Lead	0.589	0.200	15	ppb
284-CH1689-A-001-B	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-06RE1	Copper	0.608	0.00200	1.3	ppm
284-CH1689-A-001-B	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-06RE1	Lead	ND	0.200	15	ppb
284-CH1689-B-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-07RE1	Copper	0.526	0.00200	1.3	ppm
284-CH1689-B-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-07RE1	Lead	ND	0.200	15	ppb
284-CH1689-B-001-B	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-08RE1	Copper	0.430	0.00200	1.3	ppm
284-CH1689-B-001-B	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-08RE1	Lead	ND	0.200	15	ppb
284-CH1691-N/A-001-A	Classroom 101 Bubbler	9/7/2018	9/7/2018	A8I0178-09RE2	Copper	2.70	0.0200	1.3	ppm
284-CH1691-N/A-001-A	Classroom 101 Bubbler	9/7/2018	9/7/2018	A8I0178-09RE1	Lead	13.5	0.200	15	ppb
284-CH1691-N/A-001-B	Classroom 101 Bubbler	9/7/2018	9/7/2018	A8I0178-10RE2	Copper	1.06	0.0200	1.3	ppm
284-CH1691-N/A-001-B	Classroom 101 Bubbler	9/7/2018	9/7/2018	A8I0178-10RE1	Lead	2.07	0.200	15	ppb
284-CH1692-N/A-001-A	Classroom 102 Bubbler	9/7/2018	9/7/2018	A8I0178-11RE2	Copper	1.97	0.0200	1.3	ppm
284-CH1692-N/A-001-A	Classroom 102 Bubbler	9/7/2018	9/7/2018	A8I0178-11RE1	Lead	11.2	0.200	15	ppb
284-CH1692-N/A-001-B	Classroom 102 Bubbler	9/7/2018	9/7/2018	A8I0178-12	Copper	0.643	0.00200	1.3	ppm
284-CH1692-N/A-001-B	Classroom 102 Bubbler	9/7/2018	9/7/2018	A8I0178-12RE1	Lead	2.30	0.200	15	ppb

Analyzed by: Apex Laboratories

Reviewed by: PBS Engineering and Environmental

*EPA action level for lead is 20 ppb and 1.3 ppm for copper

284-CH1695-A-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-13	Copper	0.344	0.00200	1.3	ppm
284-CH1695-A-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-13RE1	Lead	0.459	0.200	15	ppb
284-CH1695-A-001-B	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-14	Copper	0.386	0.00200	1.3	ppm
284-CH1695-A-001-B	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-14RE1	Lead	ND	0.200	15	ppb
284-CH1695-B-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-15	Copper	0.341	0.00200	1.3	ppm
284-CH1695-B-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-15RE1	Lead	ND	0.200	15	ppb
284-CH1695-B-001-B	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-16	Copper	0.211	0.00200	1.3	ppm
284-CH1695-B-001-B	Hall Bubbler Classroom 116	9/7/2018	9/7/2018	A8I0178-16	Lead	ND	0.200	15	ppb
284-CH1758-N/A-001-A	Bubbler Classroom 116	9/7/2018	9/7/2018	A8I0178-17RE1	Copper	0.964	0.0100	1.3	ppm
284-CH1758-N/A-001-A	Bubbler Classroom 116	9/7/2018	9/7/2018	A8I0178-17	Lead	0.407	0.200	15	ppb
284-CH1758-N/A-001-B	Bubbler Classroom 116	9/7/2018	9/7/2018	A8I0178-18	Copper	0.821	0.00200	1.3	ppm
284-CH1758-N/A-001-B	Bubbler	9/7/2018	9/7/2018	A8I0178-18	Lead	ND	0.200	15	ppb
284-CH1760-A-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-19	Copper	0.380	0.00200	1.3	ppm
284-CH1760-A-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-19	Lead	0.469	0.200	15	ppb
284-CH1760-A-001-B	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-20	Copper	0.411	0.00200	1.3	ppm
284-CH1760-A-001-B	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-20	Lead	ND	0.200	15	ppb
284-CH1760-B-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-21	Copper	0.277	0.00200	1.3	ppm
284-CH1760-B-001-A	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-21	Lead	ND	0.200	15	ppb
284-CH1760-B-001-B	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-22	Copper	0.0978	0.00200	1.3	ppm
284-CH1760-B-001-B	Hall Bubbler	9/7/2018	9/7/2018	A8I0178-22	Lead	ND	0.200	15	ppb

Analyzed by: Apex Laboratories

*EPA action level for lead is 20 ppb and 1.3 ppm for copper

Reviewed by: PBS Engineering and Environmental

Page 2 of 4

284-CH1761-N/A-001-A	P8 bubbler	9/7/2018	9/7/2018	A8I0178-29	Copper	0.165	0.00200	1.3	ppm
284-CH1761-N/A-001-A	P8 bubbler	9/7/2018	9/7/2018	A8I0178-29	Lead	14.1	0.200	15	ppb
284-CH1761-N/A-001-B	P8 bubbler	9/7/2018	9/7/2018	A8I0178-30	Copper	0.0878	0.00200	1.3	ppm
284-CH1761-N/A-001-B	P8 bubbler	9/7/2018	9/7/2018	A8I0178-30	Lead	1.51	0.200	15	ppb
284-CH1762-N/A-001-A	P9 bubbler	9/7/2018	9/7/2018	A8I0178-27	Copper	0.0740	0.00200	1.3	ppm
284-CH1762-N/A-001-A	P9 bubbler	9/7/2018	9/7/2018	A8I0178-27	Lead	8.94	0.200	15	ppb
284-CH1762-N/A-001-B	P9 bubbler	9/7/2018	9/7/2018	A8I0178-28	Copper	0.0626	0.00200	1.3	ppm
284-CH1762-N/A-001-B	P9 bubbler	9/7/2018	9/7/2018	A8I0178-28	Lead	1.92	0.200	15	ppb
284-CH1763-N/A-001-A	Classroom 202 bubbler	9/7/2018	9/7/2018	A8I0178-25RE1	Copper	1.45	0.0100	1.3	ppm
284-CH1763-N/A-001-A	Classroom 202 bubbler	9/7/2018	9/7/2018	A8I0178-25	Lead	16.8	0.200	15	ppb
284-CH1763-N/A-001-B	Classroom 202 bubbler	9/7/2018	9/7/2018	A8I0178-26	Copper	0.467	0.00200	1.3	ppm
284-CH1763-N/A-001-B	Classroom 202 bubbler	9/7/2018	9/7/2018	A8I0178-26	Lead	6.37	0.200	15	ppb
284-CH1766-N/A-001-A	Classroom 201 bubbler	9/7/2018	9/7/2018	A8I0178-23RE1	Copper	1.06	0.0100	1.3	ppm
284-CH1766-N/A-001-A	Classroom 201 bubbler	9/7/2018	9/7/2018	A8I0178-23	Lead	4.69	0.200	15	ppb
284-CH1766-N/A-001-B	Classroom 201 bubbler	9/7/2018	9/7/2018	A8I0178-24	Copper	0.678	0.00200	1.3	ppm
284-CH1766-N/A-001-B	Classroom 201 bubbler	9/7/2018	9/7/2018	A8I0178-24	Lead	0.732	0.200	15	ppb
284-CH1778-A-001-A	Kitchen Faucet	9/7/2018	9/7/2018	A8I0178-01RE1	Copper	0.311	0.00200	1.3	ppm
284-CH1778-A-001-A	Kitchen Faucet	9/7/2018	9/7/2018	A8I0178-01RE1	Lead	0.336	0.200	15	ppb
284-CH1778-A-001-B	Kitchen Faucet	9/7/2018	9/7/2018	A8I0178-02RE1	Copper	0.170	0.00200	1.3	ppm
284-CH1778-A-001-B	Kitchen Faucet	9/7/2018	9/7/2018	A8I0178-02RE1	Lead	ND	0.200	15	ppb

Analyzed by: Apex Laboratories

*EPA action level for lead is 20 ppb and 1.3 ppm for copper

Reviewed by: PBS Engineering and Environmental

284-CH1778-B-001-A	Kitchen Sprayer	9/7/2018	9/7/2018	A8I0178-03RE1	Copper	0.322	0.00200	1.3	ppm
284-CH1778-B-001-A	Kitchen Sprayer	9/7/2018	9/7/2018	A8I0178-03RE1	Lead	0.534	0.200	15	ppb
284-CH1778-B-001-B	Kitchen Sprayer	9/7/2018	9/7/2018	A8I0178-04RE1	Copper	0.327	0.00200	1.3	ppm
284-CH1778-B-001-B	Kitchen Sprayer		9/7/2018	A8I0178-04RE1	Lead	ND	0.200	15	ppb

Results highlighted indicate a value at or above the PPS Action Level and that the fixture is under further review. During review, the highlighted fixture(s) will remain out of service.