

# Portland Water District Analysis of Water Supplies

(as sampled on 4/15/25 unless otherwise noted)

Compound	Units	Greater Portland Untreated	Greater Portland Treated	Greater Portland Distribution <sup>1</sup>	Steep Falls Untreated	Steep Falls Treated	MCL <sup>2</sup> (for comparison only)
<b>Physical</b>							
Color	SU	20	<5	<5	<5	<5	15
Conductivity	µS	35.92	47.8	51.5	132.4	140.4	**
Total Dissolved Solids	mg/L	23	31	31	79	85	500
Turbidity	NTU	0.41	0.38	0.23	0.08	0.09	1
<b>Inorganic Non-metals</b>							
Residual chlorine <sup>3</sup>	mg/L	0	2.35	1.54	0	1.5	4
Alkalinity (as CaCO <sub>3</sub> )	mg/L	5.9	9.2	10.0	17.4	23.2	**
Ammonia – N	mg/L	0.02	0.63	0.42	0.04	0.02	**
Nitrite – N	mg/L	0.002	0.003	0.016	0.003	0.004	1
Nitrate – N	mg/L	<0.2	<0.2	<0.2	1.18	1.19	10
Chloride	mg/L	9	10	11	35	37	250
Dissolved Oxygen	mg/L	12.9	21.2	18.9	11.3	11.5	**
Fluoride	mg/L	0.06	0.61	0.63	0.10	0.66	4
Hardness (as CaCO <sub>3</sub> )	mg/L	9.52	9.43	9.12	20.9	21.1	150
pH <sup>3</sup>	SU	6.98	8.08	7.56	7.06	7.6	8.5
Silica	mg/L	2.87	3.21	3.14	10.1	9.86	**
Phosphorus	mg/L	0	0.32	0.34	0	0.02	**
Sulfate <sup>5</sup>	mg/L	2	2	2	4	4	250
<b>Inorganic Metals</b>							
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.05
Barium	mg/L	0.0036	0.0034	0.0034	0.0042	0.0041	2
Cadmium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.005
Calcium	mg/L	2.84	2.82	2.73	5.86	5.94	**
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.1
Copper <sup>4</sup>	mg/L	0.0011	<0.01	0.0033	0.0015	0.0015	1.3
Iron <sup>4</sup>	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	0.3
Lead <sup>4</sup>	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.015
Magnesium	mg/L	0.59	0.58	0.56	1.52	1.52	**
Manganese	mg/L	0.0015	0.0015	0.0023	0.0017	0.0011	0.05
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.002
Nickel	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.1
Potassium	mg/L	0.78	0.57	0.51	1.41	1.43	**
Selenium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.05
Silver	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.05
Sodium	mg/L	6.13	9.82	9.58	23.0	25.7	100
Zinc	mg/L	0.0039	0.104	0.103	0.0020	0.0020	5
<b>Aggregate Organic</b>							
Carbon, total organic	mg/L	2.69	2.63	2.60	<0.5	<0.5	**
<b>Pesticide/Herbicide<sup>5</sup></b>							
	µg/L	NA	ND	NA	NA	ND	**
<b>Asbestos<sup>6</sup></b>							
(million fibers/L)	10 <sup>3</sup> /L	NA	<0.19	NA	NA	NA	7
<b>Radionuclides<sup>7</sup></b>							
Gross alpha	pCi/L	NA	2.5	NA	NA	5.0	15
Radon <sup>8</sup>	pCi/L	NA	NA	NA	NA	2938	4000

Footnotes:

<sup>1</sup> Distribution Sample collected at Gorham Booster Station (GBS) – 391 Main St, Gorham.

<sup>2</sup> MCL= Maximum Contaminant Level. The highest level of a contaminant that is allowed or recommended in drinking water.

<sup>3</sup> Chlorine and pH vary throughout the distribution system so values at your tap may differ from these locations.

<sup>4</sup> Copper, iron and lead can be affected by the condition of distribution system pipes and interior plumbing.

<sup>5</sup> Pesticide/herbicide analyzed in September 2023 (Greater Portland) and June 2023 (Steep Falls).

<sup>6</sup> Asbestos analyzed in November 2020 in Cumberland area.

<sup>7</sup> Gross alpha sampled in June 2015.

<sup>8</sup> Radon sampled in July 2024.

\*\* - MCL does not exist for these constituents

NA – Not analyzed

ND – Not detected

**PORTLAND WATER DISTRICT  
SUPPLEMENTARY WATER QUALITY INFORMATION  
SAMPLES COLLECTED AFTER TREATMENT**

CONTAMINANT	MCL <sup>2</sup> (MG/L)	GREATER PORTLAND	STEEP FALLS
<b>ORGANIC</b>			
<b>VOLATILE ORGANICS (EPA 524.3) Collected in June 2025 (Greater Portland) June 2023 (Steep Falls)</b>			
BENZENE	0.005	<0.0005	<0.0005
CARBON TETRACHLORIDE	0.005	<0.0005	<0.0005
p-DICHLOROBENZENE	0.075	<0.0005	<0.0005
1,2-DICHLOROETHANE	0.005	<0.0005	<0.0005
1,1-DICHLOROETHENE	0.007	<0.0005	<0.0005
1,1,1-TRICHLOROETHANE	0.2	<0.0005	<0.0005
TRICHLOROETHENE	0.005	<0.0005	<0.0005
VINYL CHLORIDE	0.002	<0.0005	<0.0005
METHYL TERT-BUTYL ETHER (State req.)	0.035	<0.0005	<0.0005
o-DICHLOROBENZENE	0.6	<0.0005	<0.0005
cis-1,2-DICHLOROETHENE	0.07	<0.0005	<0.0005
trans-1,2-DICHLOROETHENE	0.1	<0.0005	<0.0005
1,2-DICHLOROPROPANE	0.005	<0.0005	<0.0005
ETHYLBENZENE	0.7	<0.0005	<0.0005
CHLOROBENZENE	0.1	<0.0005	<0.0005
STYRENE	0.1	<0.0005	<0.0005
TETRACHLOROETHENE	0.005	<0.0005	<0.0005
TOLUENE	1	<0.0005	<0.0005
XYLENES	10	<0.0005	<0.0005
DICHLOROMETHANE	0.005	<0.0005	<0.0005
1,2,4-TRICHLOROBENZENE	0.07	<0.0005	<0.0005
1,1,2-TRICHLOROETHANE	0.005	<0.0005	<0.0005
1,2-DIBROMO-3-CHLOROPROPANE	STWV <sup>3</sup>	STWV <sup>3</sup>	STWV <sup>3</sup>
ETHYLENE DIBROMIDE	STWV <sup>3</sup>	STWV <sup>3</sup>	STWV <sup>3</sup>
<b>SYNTHETIC ORGANIC-PESTICIDES (EPA 525.2) Collected in September 2025 (Greater Portland) and June 2023 (Steep Falls)</b>			
ATRAZINE	0.003	<0.0001	<0.0001
ALACHLOR (LASSO)	0.002	<0.0001	<0.0001
BENZO(A)PYRENE	0.0002	<0.0001	<0.0001
BHC GAMMA (LINDANE)	0.0002	<0.0001	<0.0001
BIS (2-ETHYLHEXYL) ADIPATE	0.4	<0.001	<0.001
BIS (2-ETHYLHEXYL) PHTHALATE	0.006	<0.001	<0.001
ENDRIN	0.002	<0.0001	<0.0001
HEPTACHLOR	0.0004	<0.0001	<0.0001
HEPTACHLOR EPOXIDE	0.0002	<0.0001	<0.0001
HEXACHLOROBENZENE	0.001	<0.0001	<0.0001
HEXACHLOROCYCLOPENTADIENE	0.05	<0.0001	<0.0001
METHOXYCHLOR	0.04	<0.0001	<0.0001
SIMAZINE	0.004	<0.0001	<0.0001
<b>PESTICIDES/PCB'S (EPA 505) Collected in September 2025 (Greater Portland) and June 2023 (Steep Falls)</b>			
CHLORDANE	0.002	<0.0004	<0.0004
POLYCHLORINATED BIPHENYLS, TOTAL	0.0002	<0.00008	<0.00008
TOXAPHENE	0.003	<0.002	<0.002
<b>CARBAMATES (EPA 531.1) Collected in September 2025 (Greater Portland) and June 2023 (Steep Falls)</b>			
ALDICARB	NO MCL	<0.001	<0.001
ALDICARB SULFONE	NO MCL	<0.001	<0.001
ALDICARB SULFOXIDE	NO MCL	<0.001	<0.001
CARBOFURAN	0.04	<0.001	<0.001
OXAMYL	0.2	<0.001	<0.001
<b>SYNTHETIC ORGANICS - HERBICIDES (EPA 515.3) Collected in September 2025 (Greater Portland) and June 2023 (Steep Falls)</b>			
2,4-D	<0.001	<0.001	<0.001
2,4,5 TP (SILVEX)	0.05	<0.00025	<0.00025
DALAPON	0.2	<0.001	<0.001
DINOSEB	0.007	<0.001	<0.001
PENTACHLOROPHENOL	0.001	<0.0001	<0.0001
PICLORAM	0.5	<0.002	<0.002
<b>SYNTHETIC ORGANICS - HERBICIDES (EPA 549.2) Collected September 2025 (Greater Portland) and June 2023 (Steep Falls)</b>			
Diquat	0.02	<0.001	<0.001
<b>SYNTHETIC ORGANICS - HERBICIDES (EPA 548.1) Collected July 2023 (Steep Falls)</b>			
Endothall	0.1	<0.005	<0.005
FOOTNOTES			
*MCL- Maximum Contaminant Level, The highest level of a contaminant allowed or recommended in drinking water.			
^STWV-State waiver, no testing required.			