

Portland Water District Analysis of Water Supplies

(as sampled on 4/26/22 unless otherwise noted)

Compound	Units	Greater Portland Untreated	Greater Portland Treated	Greater Portland Distribution ¹	Steep Falls Untreated	Steep Falls Treated	MCL ² (for comparison only)
Physical							
Color	SU	5	<5	<5	<5	<5	15
Conductivity	µS	52.7	74.4	70.1	210.7	220.1	**
Total Residue	mg/L	14	5	6	114	42	500
Turbidity	NTU	0.23	0.20	0.13	0.31	0.22	1
Inorganic Non-metals							
Residual chlorine ³	mg/L	0	2.2	1.94	0	1.3	4
Alkalinity (as CaCO ₃)	mg/L	4.9	8.2	9.3	12.1	21.3	**
Ammonia – N	mg/L	<0.01	0.36	0.43	<0.01	<0.01	**
Nitrite – N	mg/L	0.004	0.006	0.012	0.004	0.006	1
Nitrate – N	mg/L	<0.25	<0.25	<0.25	1.5	1.6	10
Chloride	mg/L	9	10	10	49	54	250
Dissolved Oxygen	mg/L	12.1	18.4	17.0	9.4	11.0	**
Fluoride	mg/L	0.07	0.66	0.58	0.08	0.63	4
Hardness (as CaCO ₃)	mg/L	NA	6.7	NA	NA	23.7	150
pH ³	SU	7.18	8.09	8.2	6.09	7.82	8.5
Silica	mg/L	3.1	3.4	3.4	9.9	9.7	**
Phosphorus	mg/L	0.01	0.32	0.33	0.02	0.02	**
Sulfate ⁵	mg/L	2	3	3	4	5	250
Inorganic Metals⁴							
Arsenic	mg/L	<0.02	>0.02	<0.02	<0.02	<0.02	0.05
Barium	mg/L	0.0032	0.0033	0.0033	0.0062	0.0062	2
Cadmium	mg/L	<0.003	<0.003	<0.003	<0.003	<0.003	0.005
Calcium	mg/L	2.9	3.0	3	7.3	7.2	**
Chromium	mg/L	<0.008	<0.008	<0.008	<0.008	<0.008	0.1
Copper ⁵	mg/L	<0.01	<0.01	<0.01	0.023	<0.01	1.3
Iron ⁷	mg/L	<0.001	0.0071	0.0097	<0.001	<0.001	0.3
Lead ⁵	mg/L	<0.006	<0.006	<0.006	<0.006	<0.006	0.015
Magnesium	mg/L	0.61	0.61	0.60	1.8	6	**
Manganese	mg/L	NA	0.0013	NA	NA	0.0025	0.05
Mercury	mg/L	NA	<0.0001	NA	NA	<0.0001	0.002
Nickel	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.1
Potassium	mg/L	0.50	0.51	0.52	1.9	2.0	**
Selenium	mg/L	NA	<0.001	NA	NA	<0.001	0.05
Silver	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	0.05
Sodium	mg/L	5.7	9.2	9.2	30	37	100
Zinc	mg/L	<0.02	0.097	0.091	<0.02	<0.02	5
Aggregate Organic							
Carbon, total organic	mg/L	2.93	2.63	2.7	0.62	0.52	**
Pesticide/Herbicide⁶							
	µg/L	NA	ND	NA	NA	ND	**
Asbestos⁷							
(million fibers/L)	10 ⁶ /L	NA	<0.19	NA	NA	NA	7
Radionuclides⁸							
Gross alpha	pCi/L	NA	2.5	NA	NA	5.0	15

Footnotes:

¹ Distribution Sample collected at 26 Bittersweet Rd., Windham.

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

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

⁴ Manganese, mercury and selenium analyzed in June 2021 (Greater Portland) and June 2020 (Steep Falls)

⁵ Copper, iron and lead can be affected by the condition of distribution system pipes and interior plumbing.

⁶ Pesticide/herbicide analyzed in June and September 2020 (Greater Portland) and September 2017 (Steep Falls).

⁷ Asbestos analyzed in November 2020 in Cumberland area.

⁸ Gross alpha sampled in June 2015

** - MCL does not exist for these constituents

NA – Not analyzed

ND – None detected

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

COMPOUND	MCL ² (MG/L)		GREATER PORTLAND	STEEP FALLS
VOLATILE ORGANICS (EPA 524.2) Collected in June 2021 (Greater Portland) June 2020 (Steep Falls)				
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 ⁹		STWV ⁹	STWV ⁹
ETHYLENE DIBROMIDE	STWV ⁹		STWV ⁹	STWV ⁹
SYNTHETIC ORGANIC-PESTICIDES (EPA 525.2)				
Collected in June 2020 (Greater Portland) and September 2017 (Steep Falls).				
ATRAZINE	0.003		<0.001	<0.001
ALACHLOR (LASSO)	0.002		<0.001	<0.001
BENZO(A)PYRENE	0.0002		<0.0001	<0.0002
BHC GAMMA (LINDANE)	0.0002		<0.0001	<0.0002
BIS (2-ETHYLHEXYL) ADIPATE	0.4		<0.001	<0.001
BIS (2-ETHYLHEXYL) PHTHALATE	0.006		<0.001	<0.001
ENDRIN	0.002		<0.001	<0.001
HEPTACHLOR	0.0004		<0.0001	<0.0004
HEPTACHLOR EPOXIDE	0.0002		<0.0001	<0.0002
HEXACHLOROBENZENE	0.001		<0.0001	<0.001
HEXACHLOROCYCLOPENTADIENE	0.05		<0.0001	<0.001
METHOXYCHLOR	0.04		<0.0001	<0.001
SIMAZINE	0.004		<0.0001	<0.001
PESTICIDES/PCB'S (EPA 508.1)				
CHLORDANE	0.002		<0.0004	<0.0005
POLYCHLORINATED BIPHENYLS, TOTAL	0.0002		<0.0002	<0.0005
TOXAPHENE	0.002		<0.002	<0.002

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COMPOUND	MCL ² (MG/L)		GREATER PORTLAND	STEEP FALLS
CARBAMATES (EPA 531.1)				
Collected in June 2020 (Greater Portland) and September 2017 (Steep Falls)				
ALDICARB	NO MCL		<0.001	<0.0005
ALDICARB SULFONE	NO MCL		<0.001	<0.0005
ALDICARB SULFOXIDE	NO MCL		<0.001	<0.0005
CARBOFURAN	0.04		<0.001	<0.0005
OXAMYL	0.2		<0.001	<0.0005
SYNTHETIC ORGANICS - HERBICIDES (EPA 515.3)				
Collected in June 2020 (Greater Portland) and September 2017 (Steep Falls)				
2,4-D	0.07		<0.001	<0.005
2,4,5 TP (SILVEX)	0.05		<0.00025	<0.005
DALAPON	0.2		<0.001	<0.001
DINOSEB	0.007		<0.001	<0.005
PENTACHLOROPHENOL	0.001		<0.0001	<0.001
PICLORAM	0.5		<0.002	<0.005

FOOTNOTES

²MCL- Maximum Contaminant Level, The highest level of a contaminant allowed or recommended in drinking water.

⁹STWV-State waiver, no testing required.