

# Seattle Public Utilities Quarterly Surface Water Analysis

Non Regulatory Data  
Informational Only

Cedar

Samples Collected: 11/8/2022

Tolt

CLT-5	M-1A	Parameter	Units	Method	MCL	TPT-3	B-2
		<b>MRDL</b>					
1.68	1.28	Chlorine, Free	mg/L	SM-4500 Cl G	4	1.39	0.58
		<b>Primary MCL</b>					
0.2U	0.2U	Antimony	ug/L	EPA 200.8	6	0.2U	0.2U
0.513	0.556	Arsenic	ug/L	EPA 200.8	10	0.382	0.378
1.30	1.64	Barium	ug/L	EPA 200.8	2,000	1.26	1.87
0.2U	0.2U	Beryllium	ug/L	EPA 200.8	4	0.2U	0.2U
0.2U	0.2U	Cadmium	ug/L	EPA 200.8	5	0.2U	0.2U
0.5U	0.5U	Chromium	ug/L	EPA 200.8	100	0.5U	0.5U
0.70	0.68	Fluoride	mg/L	ASTM D1179-93B	4	0.71	0.70
0.2U	0.2U	Mercury	ug/L	EPA 200.8	2	0.2U	0.2U
0.2U	0.2U	Nickel	ug/L	EPA 200.8	100	0.2U	0.2U
0.5U	0.5U	Selenium	ug/L	EPA 200.8	50	0.5U	0.5U
9.73	23.6	THAA5	ug/L	EPA 552.3	60	11.2	23.4
0.2U	0.2U	Thallium	ug/L	EPA 200.8	2	0.2U	0.2U
5.78	18.5	Total THMs	ug/L	EPA 524.2	80	9.36	30.3
0.2U	0.2U	Uranium	ug/L	EPA 200.8	30	0.2U	0.2U
		<b>Secondary MCL</b>					
8.08	7.35	Aluminum	ug/L	EPA 200.8	50 to 200	40.6	23.4
3.8	3.4	Chloride	mg/L	SM-4500 Cl E	250	2.4	2.9
5U	5U	Color, Apparent	PCU	SM-2120 B	15	5U	5U
68.4	69.8	Conductivity	umho/cm	ASTM D1125-92A	700	56.4	59.1
21.1	22.8	Iron	ug/L	EPA 200.8	300	13.5	11.5
1.55	1.22	Manganese	ug/L	EPA 200.8	50	1.12	0.520
8.26	8.22	pH	pH Unit	ASTM D1293-95B	6.5 - 8.5	8.11	8.69
2410	2530	Sodium	ug/L	EPA 200.8	20,000	918	1190
48.5	37.7	Solids, Total Dissolved	mg/L	SM-2540 C	500	39.7	41.3
2.00	1.80	Sulfate	mg/L	SM-4500 SO4E	250	1.40	1.80
0.5U	0.5U	Zinc	ug/L	EPA 200.8	5,000	0.5U	0.5U
		<b>Action Level</b>					
4.21	0.693	Copper	ug/L	EPA 200.8	1,300	2.48	0.332
0.5U	0.5U	Lead	ug/L	EPA 200.8	15	0.5U	0.5U
		<b>Non Regulated</b>					
25.4	25.7	Alkalinity, Total	mg/L	ASTM D1067-92B		19.3	20.3
1U	1U	Bromochloroacetic Acid	ug/L	EPA 552.3		1U	1U
1U	1U	Bromodichloroacetic Acid	ug/L	EPA 552.3		1U	1.20
0.723	1.36	Bromodichloromethane	ug/L	EPA 524.2		0.898	2.40
0.5U	0.5U	Bromoform	ug/L	EPA 524.2		0.5U	0.5U
9300	9960	Calcium	ug/L	EPA 200.8		9300	9960
23.2	24.9	Calcium Hardness	mg CaCO3/L	SM-2340 B		23.3	24.9
0.81	0.82	Carbon, Total Organic	mg/L	SM-5310 C		0.95	0.78
1.68	1.28	Chlorine, Free	mg/L	SM-4500 Cl G		1.39	0.58
2.5U	2.5U	Chlorodibromoacetic Acid	ug/L	EPA 552.3		2.5U	2.5U
5.06	17.1	Chloroform	ug/L	EPA 524.2		8.47	27.9
0.2	0.3	CO2, Calc	mg/L	SM-4500 CO2 B4		0.3	0.2U
0.5U	0.5U	Dibromoacetic Acid	ug/L	EPA 552.3		0.5U	0.5U
0.5U	0.5U	Dibromochloromethane	ug/L	EPA 524.2		0.5U	0.5U
5.14	12.9	Dichloroacetic Acid	ug/L	EPA 552.3		6.81	8.91
105	113	Dissolved Oxygen Saturation	%	SM-4500 O G		155	151

CLT-5 = Cedar Treatment Plant Outlet, M-1A = Cedar Distribution @ S. Stacy St. & Utah Ave. S.; TPT-3 = Tolt Filtration Plant Outlet, Treated; B-2 = Tolt Distribution @ NW 122nd St. & 1st Ave. NW MCL = Maximum Contaminant Level, 1000 ug/L = 1.0 mg/L

"U" indicates that the test result for the analyte is less than the stated minimum value preceding the "U".

"J" indicates that the result is estimated due to possible matrix issue or lab uncertainty.

CLT-5	M-1A	Parameter	Units	Method	MCL	TPT-3	B-2
1.63	1.73	Hardness, Grains	Grains/gallon			1.57	1.53
1190	1230	Magnesium	ug/L	EPA 200.8		393	374
0.5U	0.5U	Molybdenum	ug/L	EPA 200.8		0.5U	0.5U
1U	1U	Monobromoacetic Acid	ug/L	EPA 552.3		1U	1U
1.5U	1.5U	Monochloroacetic Acid	ug/L	EPA 552.3		1.5U	1.5U
29.9	32.0	Nitrogen, Nitrite + Nitrate	ug/L	EPA 353.2	10,000	99.8	61.5
71.2	60.3	Nitrogen, Total	ug/L	SM-4500 N C		128	84.4
11.3	11.4	Oxygen, Dissolved	mg/L	SM-4500 O G		17.1	15.4
2.00	2.90	Phosphorus, Dissolved Reactive	ug/L	SM-4500 P F		2.20	2U
4U	4U	Phosphorus, Total	ug/L	SM-4500 P F		4U	4U
259	274	Potassium	ug/L	EPA 200.8		126	127
8.35	8.66	Silica, Reactive	mg/L	SM-4500 SiO2 C		5.11	5.11
24.6	26.9	Strontium	ug/L	EPA 200.8		13.7	16.1
11.7	14.4	Temperature, Water	Deg C	SM-2550		10.5	14.0
9.73	23.6	THAA9	ug/L	EPA 552.3		11.2	24.6
0.5U	0.5U	Thorium	ug/L	EPA 200.8		0.5U	0.5U
5U	5U	Tribromoacetic Acid	ug/L	EPA 552.3		5U	5U
4.59	10.7	Trichloroacetic Acid	ug/L	EPA 552.3		4.44	14.5
0.19	0.16	Turbidity	NTU	SM-2130 B		0.12	0.070
0.043	0.033	UVA	abs/5cm	SPU TEST		0.048	0.034
0.5U	0.5U	Vanadium	ug/L	EPA 200.8		0.5U	0.5U

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