

Seattle Public Utilities Quarterly Surface Water Analysis

Non Regulatory Data
Informational Only

Cedar

Samples Collected: 5/21/2024

Tolt

CLT-5	M-1A	Parameter	Units	Method	MCL	TPT-3	B-2
		MRDL					
1.29	0.83	Chlorine, Free	mg/L	SM-4500 Cl G	4	1.45	0.42
		Primary MCL					
0.2U	0.2U	Antimony	ug/L	EPA 200.8	6	0.2U	0.2U
0.376	0.383	Arsenic	ug/L	EPA 200.8	10	0.223	0.223
1.24	1.79	Barium	ug/L	EPA 200.8	2,000	1.22	1.68
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
0.62	0.60	Fluoride	mg/L	ASTM D1179-93B	4	0.61	0.60
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
20U		Nitrogen, Nitrate	ug/L	EPA 353.2	10,000	76.6	
1U		Nitrogen, Nitrite	ug/L	EPA 353.2	1,000	1.20	
0.5U	0.5U	Selenium	ug/L	EPA 200.8	50	0.5U	0.5U
14.2	37.2	THAA5	ug/L	EPA 552.3	60	7.45	24.8
0.2U	0.2U	Thallium	ug/L	EPA 200.8	2	0.2U	0.2U
11.0	32.8	Total THMs	ug/L	EPA 524.2	80	9.72	37.3
0.2U	0.2U	Uranium	ug/L	EPA 200.8	30	0.2U	0.2U
		Secondary MCL					
9.13	11.3	Aluminum	ug/L	EPA 200.8	50 to 200	25.6	26.9
3.6	4.1	Chloride	mg/L	SM-4500 Cl E	250	2.8	3.2
3.60		Chloride	mg/L	EPA 300.0	250	2.70	
5U	5U	Color, Apparent	PCU	SM-2120 B	15	5U	5U
60.7	63.6	Conductivity	umho/cm	ASTM D1125-92A	700	55.2	58.1
15.0	23.9	Iron	ug/L	EPA 200.8	300	9.10	11.6
1.43	2.52	Manganese	ug/L	EPA 200.8	50	0.794	1.49
7.85	8.13	pH	pH Unit	ASTM D1293-95B	6.5 - 8.5	8.24	8.70
2600	2630	Sodium	ug/L	EPA 200.8	20,000	986	1190
38.2	39.5	Solids, Total Dissolved	mg/L	SM-2540 C	500	34.0	34.3
1.30	1.30	Sulfate	mg/L	SM-4500 SO4E	250	1.50	1.20
0.5U	0.5U	Zinc	ug/L	EPA 200.8	5,000	0.5U	0.5U
		Action Level					
17.2	0.731	Copper	ug/L	EPA 200.8	1,300	1.65	0.361
0.5U	0.5U	Lead	ug/L	EPA 200.8	15	0.5U	0.5U
		Non Regulated					
20.8	21.8	Alkalinity, Total	mg/L	ASTM D1067-92B		18.9	19.7
1U	1U	Bromochloroacetic Acid	ug/L	EPA 552.3		1U	1U
1U	1U	Bromodichloroacetic Acid	ug/L	EPA 552.3		1U	1.09
0.755	1.90	Bromodichloromethane	ug/L	EPA 524.2		0.852	2.35
0.5U	0.5U	Bromoform	ug/L	EPA 524.2		0.5U	0.5U
7850	8270	Calcium	ug/L	EPA 200.8		9040	9430
19.6	20.7	Calcium Hardness	mg CaCO3/L	SM-2340 B		22.6	23.6
0.97	1.05	Carbon, Total Organic	mg/L	SM-5310 C		0.88	0.78
1.29	0.83	Chlorine, Free	mg/L	SM-4500 Cl G		1.45	0.42
2.5U	2.5U	Chlorodibromoacetic Acid	ug/L	EPA 552.3		2.5U	2.5U
10.3	30.9	Chloroform	ug/L	EPA 524.2		8.86	34.9
0.6	0.3	CO2, Calc	mg/L	SM-4500 CO2 B4		0.2	0.2U
0.5U	0.5U	Dibromoacetic Acid	ug/L	EPA 552.3		0.5U	0.5U

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
0.5U	0.5U	Dibromochloromethane	ug/L	EPA 524.2		0.5U	0.5U
7.65	17.5	Dichloroacetic Acid	ug/L	EPA 552.3		4.17	7.81
134	118	Dissolved Oxygen Saturation	%	SM-4500 O G		147	158
1.39	1.44	Hardness, Grains	Grains/gallon			1.40	1.45
1060	1040	Magnesium	ug/L	EPA 200.8		405	370
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	2.50	Monochloroacetic Acid	ug/L	EPA 552.3		1.5U	1.5U
22.2	25.7	Nitrogen, Nitrite + Nitrate	ug/L	EPA 353.2	10,000	87.7	96.1
47.5	125	Nitrogen, Total	ug/L	SM-4500 N C		117	157
13.7	12.1	Oxygen, Dissolved	mg/L	SM-4500 O G		15.5	15.2
2U	2.70	Phosphorus, Dissolved Reactive	ug/L	SM-4500 P F		2U	2.20
6.30	4U	Phosphorus, Total	ug/L	SM-4500 P F		4U	4U
245	251	Potassium	ug/L	EPA 200.8		109	116
7.62	8.30	Silica, Reactive	mg/L	SM-4500 SiO2 C		5.58	5.86
20.7	22.7	Strontium	ug/L	EPA 200.8		12.2	15.3
14.0	14.0	Temperature, Water	Deg C	SM-2550		12.2	16.4
14.2	37.2	THAA9	ug/L	EPA 552.3		7.45	25.9
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
6.58	17.3	Trichloroacetic Acid	ug/L	EPA 552.3		3.28	17.0
0.25	0.30	Turbidity	NTU	SM-2130 B		0.10	0.15
0.046	0.046	UVA	abs/5cm	SPU TEST		0.041	0.038
0.5U	0.5U	Vanadium	ug/L	EPA 200.8		0.5U	0.5U

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