

Seattle Public Utilities Quarterly Surface Water Analysis

Non Regulatory Data
Informational Only

Cedar

Samples Collected: 11/5/2024

Tolt

| CLT-5 | M-1A | Parameter | Units | Method | MCL | TPT-3 | B-2 | |
|-------|-------|-----------------------------|------------|----------------|-----------|-------|-------|--|
| | | MRDL | | | | | | |
| 1.64 | 1.01 | Chlorine, Free | mg/L | SM-4500 Cl G | 4 | 1.43 | 0.43 | |
| | | Primary MCL | | | | | | |
| 0.2U | 0.2U | Antimony | ug/L | EPA 200.8 | 6 | 0.2U | 0.2U | |
| 0.486 | 0.497 | Arsenic | ug/L | EPA 200.8 | 10 | 0.267 | 0.234 | |
| 1.32 | 1.58 | Barium | ug/L | EPA 200.8 | 2,000 | 1.29 | 1.64 | |
| 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 | |
| 0.67 | 0.63 | Fluoride | mg/L | ASTM D1179-93B | 4 | 0.65 | 0.67 | |
| 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 | |
| 9.52 | 24.9 | THAA5 | ug/L | EPA 552.3 | 60 | 7.40 | 18.5 | |
| 0.2U | 0.2U | Thallium | ug/L | EPA 200.8 | 2 | 0.2U | 0.2U | |
| | 29.5 | Total THMs | ug/L | EPA 524.2 | 80 | 10.3 | 44.9 | |
| 0.2U | 0.2U | Uranium | ug/L | EPA 200.8 | 30 | 0.2U | 0.2U | |
| | | Secondary MCL | | | | | | |
| 7.39 | 7.98 | Aluminum | ug/L | EPA 200.8 | 50 to 200 | 18.0 | 17.8 | |
| 3.4 | 3.1 | Chloride | mg/L | SM-4500 Cl E | 250 | 3.0 | 3.0 | |
| 5U | 5U | Color, Apparent | PCU | SM-2120 B | 15 | 5U | 5U | |
| 83.8 | 73.2 | Conductivity | umho/cm | ASTM D1125-92A | 700 | 59.0 | 59.9 | |
| 15.9 | 17.6 | Iron | ug/L | EPA 200.8 | 300 | 8.88 | 10.4 | |
| 2.04 | 2.14 | Manganese | ug/L | EPA 200.8 | 50 | 0.5U | 0.5U | |
| 7.61 | 8.23 | pH | pH Unit | ASTM D1293-95B | 6.5 - 8.5 | 8.08 | 8.79 | |
| 2390 | 2400 | Sodium | ug/L | EPA 200.8 | 20,000 | 985 | 1080 | |
| 51.2 | 50.8 | Solids, Total Dissolved | mg/L | SM-2540 C | 500 | 43.3 | 44.8 | |
| 2.10 | 2.20 | Sulfate | mg/L | SM-4500 SO4E | 250 | 1.60 | 1.70 | |
| 0.5U | 0.5U | Zinc | ug/L | EPA 200.8 | 5,000 | 0.5U | 0.5U | |
| | | Action Level | | | | | | |
| 11.8 | 0.604 | Copper | ug/L | EPA 200.8 | 1,300 | 1.81 | 0.286 | |
| 0.5U | 0.5U | Lead | ug/L | EPA 200.8 | 15 | 0.5U | 0.5U | |
| | | Non Regulated | | | | | | |
| 26.8 | 26.8 | Alkalinity, Total | mg/L | ASTM D1067-92B | | 21.0 | 20.3 | |
| 1U | 1U | Bromochloroacetic Acid | ug/L | EPA 552.3 | | 1U | 1U | |
| 1U | 1U | Bromodichloroacetic Acid | ug/L | EPA 552.3 | | 1U | 1.11 | |
| | 2.23 | Bromodichloromethane | ug/L | EPA 524.2 | | 1.19 | 3.56 | |
| | 0.5U | Bromoform | ug/L | EPA 524.2 | | 0.5U | 0.5U | |
| 9260 | 9300 | Calcium | ug/L | EPA 200.8 | | 9210 | 8970 | |
| 23.1 | 23.3 | Calcium Hardness | mg CaCO3/L | SM-2340 B | | 23.0 | 22.4 | |
| 0.71 | 0.68 | Carbon, Total Organic | mg/L | SM-5310 C | | 0.82 | 0.70 | |
| 1.64 | 1.01 | Chlorine, Free | mg/L | SM-4500 Cl G | | 1.43 | 0.43 | |
| 2.5U | 2.5U | Chlorodibromoacetic Acid | ug/L | EPA 552.3 | | 2.5U | 2.5U | |
| | 27.3 | Chloroform | ug/L | EPA 524.2 | | 9.09 | 41.3 | |
| 1.3 | 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 | Dibromochloromethane | ug/L | EPA 524.2 | | 0.5U | 0.5U | |
| 4.90 | 11.5 | Dichloroacetic Acid | ug/L | EPA 552.3 | | 4.09 | 5.74 | |
| 110 | 110 | Dissolved Oxygen Saturation | % | SM-4500 O G | | 131 | 136 | |

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 |
|-------|-------|--------------------------------|---------------|----------------|--------|-------|-------|
| 1.61 | 1.61 | Hardness, Grains | Grains/gallon | | | 1.43 | 1.39 |
| 1140 | 1120 | Magnesium | ug/L | EPA 200.8 | | 401 | 383 |
| 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 | 2.11 | Monochloroacetic Acid | ug/L | EPA 552.3 | | 1.5U | 1.5U |
| 20U | 20U | Nitrogen, Nitrite + Nitrate | ug/L | EPA 353.2 | 10,000 | 69.5 | 63.1 |
| 82.9 | 67.7 | Nitrogen, Total | ug/L | SM-4500 N C | | 111 | 106 |
| 11.6 | 11.0 | Oxygen, Dissolved | mg/L | SM-4500 O G | | 14.2 | 13.5 |
| 3.10 | 3.00 | Phosphorus, Dissolved Reactive | ug/L | SM-4500 P F | | 2U | 2U |
| 7.70 | 6.30 | Phosphorus, Total | ug/L | SM-4500 P F | | 4U | 4.50 |
| 252 | 253 | Potassium | ug/L | EPA 200.8 | | 116 | 119 |
| 9.27 | 9.31 | Silica, Reactive | mg/L | SM-4500 SiO2 C | | 5.23 | 5.35 |
| 25.3 | 25.9 | Strontium | ug/L | EPA 200.8 | | 13.7 | 15.5 |
| 12.3 | 14.9 | Temperature, Water | Deg C | SM-2550 | | 11.4 | 15.1 |
| 9.52 | 24.9 | THAA9 | ug/L | EPA 552.3 | | 7.40 | 19.6 |
| 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 |
| 4.62 | 11.4 | Trichloroacetic Acid | ug/L | EPA 552.3 | | 3.30 | 12.7 |
| 0.20 | 0.25 | Turbidity | NTU | SM-2130 B | | 0.10 | 0.15 |
| 0.041 | 0.032 | UVA | abs/5cm | SPU TEST | | 0.042 | 0.035 |
| 0.5U | 0.5U | Vanadium | ug/L | EPA 200.8 | | 0.5U | 0.5U |

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