

Cedar

Samples Collected: 9/13/2016 to 9/14/2016

Tolt

CLT-5	M-1A	Parameter	Units	Method	MCL	TPT-3	B-2	
		<b>Chem. General</b>						
25.3	26.3	Alkalinity, Total	mg/L	ASTM D1067-92B		19.4	23.8	
70.8	73.5	Conductivity	umho/cm	ASTM D1125-92A	700	57.9	69.6	
0.74	0.72	Fluoride	mg/L	ASTM D1179-93B	4	0.76	0.74	
8.21	8.43	pH	pH Unit	ASTM D1293-95B		8.03	8.64	
5U	5U	Color, Apparent	PCU	SM-2120 B	15	5U	5U	
0.33	0.14	Turbidity	NTU	SM-2130 B		0.060	0.14	
28.8	30.2	Hardness, Calc	mg CaCO3/L	SM-2340 B		25.3	29.6	
29.7	30.2	Hardness, EDTA	mg CaCO3/L	SM-2340 C		26.0	29.7	
44.2	44.2	Solids, Total Dissolved	mg/L	SM-2540 C	500	35.3	42.3	
23.6	24.9	Calcium	mg CaCO3/L	SM-3500 Ca B		23.8	26.8	
3.5	3.3	Chloride	mg/L	SM-4500 Cl C	250	2.9	3.4	
0.3	0.2	CO2, Calc	mg/L	SM-4500 CO2 B4		0.4	0.2U	
11.7	10.8	Oxygen, Dissolved	mg/L	SM-4500 O B		16.5	14.6	
124	116	Dissolved Oxygen Saturation	%	SM-4500 O C		163	163	
0.034	0.029	UVA	abs/5cm	SPU TEST		0.038	0.035	
		<b>Chem. Metals</b>						
22.3	9.22	Aluminum	ug/L	EPA 200.8	200	21.2	19.3	
0.2U	0.2U	Antimony	ug/L	EPA 200.8	6	0.2U	0.2U	
0.609	0.672	Arsenic	ug/L	EPA 200.8	10	0.490	0.532	
1.76	2.36	Barium	ug/L	EPA 200.8	2000	1.54	2.14	
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	
9270	9910	Calcium	ug/L	EPA 200.8		9370	10400	
0.5U	0.5U	Chromium	ug/L	EPA 200.8	100	0.5U	0.5U	
25.8	0.611	Copper	ug/L	EPA 200.8	1300	2.62	0.384	
47.7	39.7	Iron	ug/L	EPA 200.8	300	34.5	42.0	
0.5U	0.5U	Lead	ug/L	EPA 200.8	15	0.5U	0.5U	
1260	1280	Magnesium	ug/L	EPA 200.8		375	673	
2.65	1.59	Manganese	ug/L	EPA 200.8	50	1.22	0.708	
0.2U	0.2U	Mercury	ug/L	EPA 200.8	5	0.2U	0.2U	
0.5U	0.5U	Molybdenum	ug/L	EPA 200.8		0.5U	0.5U	
0.395	0.368	Nickel	ug/L	EPA 200.8	100	0.365	0.409	
273	281	Potassium	ug/L	EPA 200.8		125	199	
0.5U	0.5U	Selenium	ug/L	EPA 200.8	50	0.5U	0.5U	
0.2U	0.2U	Silver	ug/L	EPA 200.8	100	0.2U	0.2U	
2390	2480	Sodium	ug/L	EPA 200.8		942	1650	
29.7	31.7	Strontium	ug/L	EPA 200.8		26.3	30.0	
0.2U	0.2U	Thallium	ug/L	EPA 200.8	2	0.2U	0.2U	
0.2U	0.2U	Thorium	ug/L	EPA 200.8		0.230	0.536	
0.2U	0.2U	Uranium	ug/L	EPA 200.8	30	0.2U	0.2U	
0.753	0.677	Vanadium	ug/L	EPA 200.8		0.689	0.658	
0.5U	0.5U	Zinc	ug/L	EPA 200.8	5000	0.5U	0.5U	
		<b>Chem. Nutrient</b>						
	42.0	Nitrogen, Nitrite + Nitrate	ug/L	EPA 353.2	10000		78.8	
	81.5	Nitrogen, Total	ug/L	SM-4500 N C			133	
	3.00	Phosphorus, Dissolved Reactive	ug/L	SM-4500 P F			2.51	
	4.57	Phosphorus, Total	ug/L	SM-4500 P F			3.12	
10.3	11.0	Silica, Reactive	mg/L	SM-4500 SiO2 D		6.20	8.56	

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

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CLT-5	M-1A	Parameter	Units	Method	MCL	TPT-3	B-2
<b>Chem. Organics</b>							
0.5U		1,1,1,2-Tetrachloroethane	ug/L	EPA 524.2		0.5U	
0.5U		1,1,1-Trichloroethane	ug/L	EPA 524.2	200	0.5U	
0.5U		1,1,2,2-Tetrachloroethane	ug/L	EPA 524.2		0.5U	
0.5U		1,1,2-Trichloroethane	ug/L	EPA 524.2	5	0.5U	
0.5U		1,1-Dichloroethane	ug/L	EPA 524.2		0.5U	
0.5U		1,1-Dichloroethene	ug/L	EPA 524.2	7	0.5U	
0.5U		1,1-Dichloropropene	ug/L	EPA 524.2		0.5U	
0.5U		1,2,3-Trichlorobenzene	ug/L	EPA 524.2		0.5U	
0.5U		1,2,3-Trichloropropane	ug/L	EPA 524.2	21	0.5U	
0.5U		1,2,4-Trichlorobenzene	ug/L	EPA 524.2	70	0.5U	
0.5U		1,2,4-Trimethylbenzene	ug/L	EPA 524.2		0.5U	
0.5U		1,2-Dibromo-3-chloropropane	ug/L	EPA 524.2		0.5U	
0.5U		1,2-Dibromoethane	ug/L	EPA 524.2		0.5U	
0.5U		1,2-Dichlorobenzene	ug/L	EPA 524.2	600	0.5U	
0.5U		1,2-Dichloroethane	ug/L	EPA 524.2	5	0.5U	
0.5U		1,2-Dichloropropane	ug/L	EPA 524.2	5	0.5U	
0.5U		1,3,5-Trimethylbenzene	ug/L	EPA 524.2		0.5U	
0.5U		1,3-Dichlorobenzene	ug/L	EPA 524.2		0.5U	
0.5U		1,3-Dichloropropane	ug/L	EPA 524.2		0.5U	
0.5U		1,4-Dichlorobenzene	ug/L	EPA 524.2	75	0.5U	
0.5U		2,2-Dichloropropane	ug/L	EPA 524.2		0.5U	
0.5U		2-Chlorotoluene	ug/L	EPA 524.2		0.5U	
0.5U		4-Chlorotoluene	ug/L	EPA 524.2		0.5U	
0.5U		Benzene	ug/L	EPA 524.2	5	0.5U	
0.5U		Bromobenzene	ug/L	EPA 524.2		0.5U	
0.5U		Bromochloromethane	ug/L	EPA 524.2		0.5U	
1.10		Bromodichloromethane	ug/L	EPA 524.2		1.10	
0.5U		Bromoform	ug/L	EPA 524.2		0.5U	
0.5U		Bromomethane	ug/L	EPA 524.2		0.5U	
0.5U		Carbon Tetrachloride	ug/L	EPA 524.2	5	0.5U	
0.5U		Chlorobenzene	ug/L	EPA 524.2	100	0.5U	
0.5U		Chloroethane	ug/L	EPA 524.2		0.5U	
6.48		Chloroform	ug/L	EPA 524.2		4.51	
0.5U		Chloromethane	ug/L	EPA 524.2	1.3	0.5U	
0.5U		cis-1,2-Dichloroethene	ug/L	EPA 524.2	70	0.5U	
0.5U		cis-1,3-Dichloropropene	ug/L	EPA 524.2		0.5U	
0.5U		Dibromochloromethane	ug/L	EPA 524.2		0.5U	
0.5U		Dibromomethane	ug/L	EPA 524.2		0.5U	
0.5U		Dichlorodifluoromethane	ug/L	EPA 524.2	530	0.5U	
0.5U		Ethylbenzene	ug/L	EPA 524.2	700	0.5U	
0.5U		Hexachlorobutadiene	ug/L	EPA 524.2		0.5U	
0.5U		Isopropylbenzene	ug/L	EPA 524.2		0.5U	
0.5U		m+p-Xylene	ug/L	EPA 524.2		0.5U	
0.5U		Methylene Chloride	ug/L	EPA 524.2	5	0.5U	
0.5U		MTBE	ug/L	EPA 524.2		0.5U	
0.5U		Naphthalene	ug/L	EPA 524.2		0.5U	
0.5U		n-Butylbenzene	ug/L	EPA 524.2		0.5U	
0.5U		n-Propylbenzene	ug/L	EPA 524.2		0.5U	
0.5U		o-Xylene	ug/L	EPA 524.2		0.5U	
0.5U		p-Isopropyltoluene	ug/L	EPA 524.2		0.5U	
0.5U		sec-Butylbenzene	ug/L	EPA 524.2		0.5U	
0.5U		Styrene	ug/L	EPA 524.2	100	0.5U	
0.5U		tert-Butylbenzene	ug/L	EPA 524.2		0.5U	
0.5U		Tetrachloroethene	ug/L	EPA 524.2	5	0.5U	

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0.5U		Toluene	ug/L	EPA 524.2	1000	0.5U	
7.58		Total THMs	ug/L	EPA 524.2	80		
		Total THMs	ug/L	EPA 524.2		5.61	
0.00		Total Xylenes	ug/L	EPA 524.2		0.00	
0.5U		trans-1,2-Dichloroethene	ug/L	EPA 524.2	100	0.5U	
0.5U		trans-1,3-Dichloropropene	ug/L	EPA 524.2		0.5U	
0.5U		Trichloroethene	ug/L	EPA 524.2	5	0.5U	
0.5U		Trichlorofluoromethane	ug/L	EPA 524.2	1300	0.5U	
0.5U		Vinyl Chloride	ug/L	EPA 524.2	2	0.5U	
<b>Field</b>							
18.3	18.6	Temperature, Water	Deg C	SM-2550		14.9	20.7
1.55	0.99	Chlorine, Free	mg/L	SM-4500 Cl G		1.52	0.31
8.42	8.26	pH	pH Unit	SM-4500 H B		8.07	8.62

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