

Cedar

Samples Collected: 9/15/2015

Tolt

CLT-5	M-1A	Parameter	Units	Method	MCL	TPT-3	B-2
		Chem. General					
26.7	74.3	Alkalinity, Total	mg/L	ASTM D1067-92B		18.7	27.3
74.1	202	Conductivity	umho/cm	ASTM D1125-92A	700	59.7	78.6
0.83	0.61	Fluoride	mg/L	ASTM D1179-93B	4	0.84	0.78
8.37	8.48	pH	pH Unit	ASTM D1293-95B		7.89	8.63
5U	5U	Color, Apparent	PCU	SM-2120 B	15	5U	5U
0.13	0.16	Turbidity	NTU	SM-2130 B		0.060	0.10
30.7	77.1	Hardness, Calc	mg CaCO3/L	SM-2340 B		26.3	32.5
31.8	83.0	Hardness, EDTA	mg CaCO3/L	SM-2340 C		26.4	33.2
42.5	124	Solids, Total Dissolved	mg/L	SM-2540 C	500	37.3	49.5
25.5	45.2	Calcium	mg CaCO3/L	SM-3500 Ca B		24.6	28.3
3.4	5.8	Chloride	mg/L	SM-4500 Cl C	250	2.7	3.6
0.2	0.9	CO2, Calc	mg/L	SM-4500 CO2 B4		1.5	0.3
11.3	6.28	Oxygen, Dissolved	mg/L	SM-4500 O B		19.3	11.1
118	63.8	Dissolved Oxygen Saturation	%	SM-4500 O C		197	124
0.044	0.056	UVA	abs/5cm	SPU TEST		0.048	0.037
		Chem. Metals					
5.60	2.84	Aluminum	ug/L	EPA 200.8	200	17.8	14.2
0.2U	0.2U	Antimony	ug/L	EPA 200.8	6	0.2U	0.2U
0.678	3.48	Arsenic	ug/L	EPA 200.8	10	0.748	0.776
1.69	3.26	Barium	ug/L	EPA 200.8	2000	1.62	2.34
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
9760	15400	Calcium	ug/L	EPA 200.8		9030	10500
0.5U	0.513	Chromium	ug/L	EPA 200.8	100	0.5U	0.5U
9.97	0.2U	Copper	ug/L	EPA 200.8	1300	5.51	0.299
45.1	84.8	Iron	ug/L	EPA 200.8	300	36.9	52.6
0.5U	0.5U	Lead	ug/L	EPA 200.8	15	0.5U	0.5U
1270	7750	Magnesium	ug/L	EPA 200.8		420	1030
1.79	24.3	Manganese	ug/L	EPA 200.8	50	3.89	1.35
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
0.307	0.617	Nickel	ug/L	EPA 200.8	100	0.311	0.360
276	1730	Potassium	ug/L	EPA 200.8		143	274
0.5U	0.766	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
2230	11000	Sodium	ug/L	EPA 200.8		982	2180
31.7	56.7	Strontium	ug/L	EPA 200.8		21.5	30.3
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		0.2U	0.2U
0.2U	0.251	Uranium	ug/L	EPA 200.8	30	0.2U	0.2U
0.897	1.62	Vanadium	ug/L	EPA 200.8		0.501	0.890
0.5U	0.5U	Zinc	ug/L	EPA 200.8	5000	0.5U	0.5U
		Chem. Nutrient					
	136	Nitrogen, Nitrite + Nitrate	ug/L	EPA 353.2	10000		37.3
	194	Nitrogen, Total	ug/L	SM-4500 N C			132
	55.3	Phosphorus, Dissolved Reactive	ug/L	SM-4500 P F			2.65
	58.2	Phosphorus, Total	ug/L	SM-4500 P F			4.12
11.5	26.5	Silica, Reactive	mg/L	SM-4500 SiO2 D		6.37	11.1

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
Chem. Organics							
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	
0.940		Bromodichloromethane	ug/L	EPA 524.2		2.26	
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	
1U		Chloroethane	ug/L	EPA 524.2		1U	
6.88		Chloroform	ug/L	EPA 524.2		8.85	
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	
7.82		Total THMs	ug/L	EPA 524.2		11.1	
0.00		Total Xylenes	ug/L	EPA 524.2		0.00	
1U		trans-1,2-Dichloroethene	ug/L	EPA 524.2	100	1U	
0.5U		trans-1,3-Dichloropropene	ug/L	EPA 524.2		0.5U	
0.5U		Trichloroethene	ug/L	EPA 524.2	5	0.5U	
1U		Trichlorofluoromethane	ug/L	EPA 524.2	1300	1U	
0.5U		Vinyl Chloride	ug/L	EPA 524.2	2	0.5U	
Contract Lab							
1.18		Sulfate	mg/L	SM-4500 SO4E	250	1.51	
Field							
17.6	16.1	Temperature, Water	Deg C	SM-2550		16.4	20.9
1.61	1.07	Chlorine, Free	mg/L	SM-4500 Cl G		1.50	0.71
8.51	8.23	pH	pH Unit	SM-4500 H B		7.41	8.31

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