

Cedar

Samples Collected: 3/3/2015

Tolt

CLT-5	M-1A	Parameter	Units	Method	MCL	TPT-3	B-2
Chem. General							
19.4	19.5	Alkalinity, Total	mg/L	ASTM D1067-92B		19.2	20.8
59.9	61.4	Conductivity	umho/cm	ASTM D1125-92A	700	60.4	65.5
0.80	0.80	Fluoride	mg/L	ASTM D1179-93B	4	0.87	0.85
8.13	8.27	pH	pH Unit	ASTM D1293-95B		8.11	8.72
5U	5U	Color, Apparent	PCU	SM-2120 B	15	5U	5U
0.68	0.80	Turbidity	NTU	SM-2130 B		0.10	0.18
24.0	24.1	Hardness, Calc	mg CaCO3/L	SM-2340 B		26.4	27.7
24.2	24.4	Hardness, EDTA	mg CaCO3/L	SM-2340 C		26.1	27.9
36.0	34.3	Solids, Total Dissolved	mg/L	SM-2540 C	500	35.2	36.3
20.1	20.3	Calcium	mg CaCO3/L	SM-3500 Ca B		24.7	26.2
3.7	3.9	Chloride	mg/L	SM-4500 Cl C	250	2.6	3.1
0.2U	0.3	CO2, Calc	mg/L	SM-4500 CO2 B4		0.3	0.2U
14.4	13.9	Oxygen, Dissolved	mg/L	SM-4500 O B		22.7	20.3
122	118	Dissolved Oxygen Saturation	%	SM-4500 O C		183	179
0.065	0.065	UVA	abs/5cm	SPU TEST		0.047	0.043
Chem. Metals							
17.4	16.2	Aluminum	ug/L	EPA 200.8	200	38.1	37.2
0.8U	0.8U	Antimony	ug/L	EPA 200.8	6	0.8U	0.8U
0.5U	0.5U	Arsenic	ug/L	EPA 200.8	10	0.5U	0.5U
1.55	1.71	Barium	ug/L	EPA 200.8	2000	1.11	1.69
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
7660	7770	Calcium	ug/L	EPA 200.8		9360	10200
0.5U	0.5U	Chromium	ug/L	EPA 200.8	100	0.5U	0.5U
8.75	0.727	Copper	ug/L	EPA 200.8	1300	3.39	0.224
49.0	54.4	Iron	ug/L	EPA 200.8	300	43.3	47.7
0.5U	0.5U	Lead	ug/L	EPA 200.8	15	0.5U	0.5U
954	931	Magnesium	ug/L	EPA 200.8		423	363
2.20	2.59	Manganese	ug/L	EPA 200.8	50	1.85	1.72
0.2U	0.2U	Mercury	ug/L	EPA 200.8	5	0.2U	0.2U
0.8U	0.8U	Molybdenum	ug/L	EPA 200.8		0.8U	0.8U
0.5U	0.5U	Nickel	ug/L	EPA 200.8	100	0.5U	0.5U
249	248	Potassium	ug/L	EPA 200.8		131	136
0.8U,J	0.8U,J	Selenium	ug/L	EPA 200.8	50	0.8U,J	0.8U,J
0.8U	0.8U	Silver	ug/L	EPA 200.8	100	0.8U	0.8U
1790	1760	Sodium	ug/L	EPA 200.8		885	1050
27.7	28.0	Strontium	ug/L	EPA 200.8		28.0	29.5
0.2U	0.2U	Thallium	ug/L	EPA 200.8	2	0.2U	0.2U
0.5U	0.5U	Thorium	ug/L	EPA 200.8		0.5U	0.5U
0.2U	0.2U	Uranium	ug/L	EPA 200.8	30	0.2U	0.2U
0.975	0.902	Vanadium	ug/L	EPA 200.8		0.5U	0.516
0.8U	0.8U	Zinc	ug/L	EPA 200.8	5000	0.8U	0.8U
Chem. Nutrient							
	36.4	Nitrogen, Nitrite + Nitrate	ug/L	EPA 353.2	10000		132
	108	Nitrogen, Total	ug/L	SM-4500 N C			164
	1.71	Phosphorus, Dissolved Reactive	ug/L	SM-4500 P F			1U
	5.06	Phosphorus, Total	ug/L	SM-4500 P F			3U
7.93	8.20	Silica, Reactive	mg/L	SM-4500 SiO2 D		5.89	5.78

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	
5.13		1,2-Dichlorobenzene-d4	ug/L	EPA 524.2	6.5	5.07	
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	
0.710		Bromodichloromethane	ug/L	EPA 524.2		0.640	
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	
10.9		Chloroform	ug/L	EPA 524.2		4.55	
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	

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0.5U		Tetrachloroethene	ug/L	EPA 524.2	5	0.5U	
0.5U		Toluene	ug/L	EPA 524.2	1000	0.5U	
11.6		Total THMs	ug/L	EPA 524.2		5.21	
0.5U		Total Xylenes	ug/L	EPA 524.2	10000	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							
1U		Sulfate	mg/L	SM-4500 SO4E	250	1U	
Field							
8.1	8.3	Temperature, Water	Deg C	SM-2550		6.1	9.8
1.49	1.13	Chlorine, Free	mg/L	SM-4500 Cl G		1.47	0.25
8.31	8.19	pH	pH Unit	SM-4500 H B		8.13	8.63

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