
Appendix J

GROUNDWATER QUALITY DATA, 2012
Greenlawn Water District

Parameters	Average Value*				MCL ⁽¹⁾
	Well #6	Well #10	Well #13	Well #15	
Inorganic Compounds					
Arsenic, µg/l ⁽²⁾					10.0
Barium, mg/l	0.01	0.01	0.02	0.01	2.0
Cadmium, µg/l					5.0
Chromium, mg/l					0.10
Copper, mg/l					[1.3]
Flouride, mg/l					2.2
Lead, µg/l					[15.0]
Mercury, µg/l					2.0
Selenium, mg/l					10.0
Silver, mg/l					0.1
Sodium, mg/l	15.6	10.0	30.3	12.1	20/270 ⁽³⁾
Specific Conductivity, µmhos	11.7	129	250	171	---
Zinc, mg/l					5.0
Color, color units					15
Odor, odor units					3
Iron, mg/l					0.3
Manganese, mg/l					0.3
Ammonia, mg/l					---
Nitrite, mg/l					1.0
Nitrate, mg/l	2.5	4.2	2.9	4.6	10.0
Chloride, mg/l	12.3	17.4	51.8	20.6	250
Total Hardness, mg/l	16.6	30.8	33.1	44.0	---
pH (before treatment)	6.1	6.2	5.8	6.0	---
Sulfate, mg/l				12.4	250
Antimony, µg/l					6.0
Beryllium, µg/l					4.0
Calcium, mg/l	4.0	7.2	8.2	10.7	---
Magnesium, mg/l	1.60	3.1	3.1	4.2	---
Nickel, mg/l	0.001	0.001	0.001	0.001	0.10
Thallium, µg/l					0.2
Cyanide, mg/l					18.0
Perchlorate, µg/l					---
Synthetic Organic Contaminants⁽⁴⁾					
Volatile Organic Compounds					
Dichlorodifluoromethane, µg/l					5 µg/l
Chloromethane, µg/l					5 µg/l
Vinyl Chloride, µg/l					2 µg/l
Bromomethane, µg/l					5 µg/l
Chloroethane, µg/l					5 µg/l
Trichlorofluoromethane, µg/l					5 µg/l
1,1-Dichloroethene, µg/l					5 µg/l
Methylene Chloride, µg/l					5 µg/l
Trans 1,2-Dichloroethene, µg/l					5 µg/l
1,1-Dichloroethane, µg/l		0.4	0.5		5 µg/l
Cis-1,2-Dichloroethene, µg/l			0.6		5 µg/l
2,2-Dichloropropane, µg/l					5 µg/l
Bromochloromethane, µg/l					5 µg/l
1,1,1-Trichloroethane, µg/l		0.1	0.1	0.9	5 µg/l
Carbon Tetrachloride, µg/l					5 µg/l
1,1-Dichloropropene, µg/l					5 µg/l
1,2-Dichloroethane, µg/l			0.7		5 µg/l
Trichloroethene, µg/l		0.5	1.8	0.2	5 µg/l
1,2-Dichloropropane, µg/l					5 µg/l
Dibromomethane, µg/l					5 µg/l
Trans 1,3-Dichloropropene, µg/l					5 µg/l
Cis 1,3-Dichloropropene, µg/l					5 µg/l
1,1,2-Trichloroethane, µg/l			1.1		5 µg/l
Tetrachloroethene, µg/l		0.2	3.7		5 µg/l
1,3-Dichloropropane, µg/l					5 µg/l
Chlorobenzene, µg/l					5 µg/l
1,1,1,2-Tetrachloroethane, µg/l					5 µg/l
Bromobenzene, µg/l					5 µg/l
1,1,2,2-Tetrachloroethane, µg/l					5 µg/l
1,2,3-Trichloropropane, µg/l			2.0		5 µg/l
2-Chlorotoluene, µg/l					5 µg/l
4-Chlorotoluene, µg/l					5 µg/l
1,2-Dichlorobenzene, µg/l					5 µg/l
1,3-Dichlorobenzene, µg/l					5 µg/l
1,4-Dichlorobenzene, µg/l					5 µg/l
1,2,4-Trochlorobenzene, µg/l					5 µg/l
Hexachlorobutadiene, µg/l					5 µg/l
1,2,3-Trichlorobenzene, µg/l					5 µg/l
Benzene, µg/l					5 µg/l
Toluene, µg/l					5 µg/l
Ethylbenzene, µg/l					5 µg/l
M,P-Xylene, µg/l					5 µg/l
O-Xylene, µg/l					5 µg/l
Styrene, µg/l					5 µg/l
Isopropylbenzene, µg/l					5 µg/l
N-Propylbenzene, µg/l					5 µg/l
1,3,5-Trimethylbenzene, µg/l					5 µg/l
Tert-Butylbenzene, µg/l					5 µg/l
1,2,4-Trimethylbenzene, µg/l					5 µg/l
Sec-Butylbenzene, µg/l					5 µg/l
4-Isopropyltoluene, µg/l					5 µg/l
N-Butylbenzene, µg/l					5 µg/l
MTBE, µg/l		0.5	1.6	0.3	10 µg/l
Trihalomethanes and Haloacetic Acids					
Chloroacetic Acid, µg/l					---
Bromoacetic Acid, µg/l					---
Dichloroacetic Acid, µg/l					---
Trichloroacetic Acid, µg/l					---
Dibromoacetic Acid, µg/l					---
Total Haloacetic Acid, µg/l					60 µg/l
Chloroform, µg/l	0.4		1.4		50 µg/l
Bromodichloromethane, µg/l	2.1				50 µg/l
Dibromochloromethane, µg/l	2.8				50 µg/l
Bromoform, µg/l	1.2				50 µg/l
Total Trihalomethanes, total, µg/l	6.5		1.4		80 µg/l

* Blank space indicates not detected.

(1) MCL - Maximum Contaminant Limit

(2) mg/l - milligrams per liter, or parts per million (ppm); µg/l - micrograms per liter, or parts per billion, ppb.

(3) 20 mg/l is the limit for highly restricted sodium diets, and 270 mg/l for those on moderately restricted diets.

(4) None detected.

[] US Environmental Protection Agency (EPA)/NYS Department of Health Action Level.