Pollutant	Proposed Groundwater Standard	Current 15A NCAC 2L Standard or Interim Maximum Allowable Concentration (IMAC)	Explanation of Standard Revision	Synonyms & Other Info	Calculated Threshold Concentration	Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard	Taste Threshold	Odor Threshold
					Criteria #1 or #2	Criteria # 5	Criteria # 6	Criteria # 3	Criteria # 4
	ug/L except where noted	ug/L except where noted			ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted
Acenaphthene	80	80		1,2-Dihydro-acenaphthylene; 2L is odor threshold	400 [1]	ND	ND	ND	80 [3]
Acenaphthylene	200	210	Significant figure	Polyaromatic hydrocarbon. Pyrene used as a surrogate for the reference dose	200 [1]	ND	ND	ND	ND
Acetone	6 **mg/L**	0.7 **mg/L**	EPA IRIS updated reference dose	Dimethylketone, DMK, 2-Propanone	6 mg/L [1]	ND	ND	ND	20 mg/L [4]
Acrylamide	0.008	0.008		Propenamide	0.008 [1]	Treatment Technique (TT): 0.05% dosed at 1 mg/L (or equivalent) [6, 19]	ND	ND	ND
Anthracene	2 **mg/L**	2.1 **mg/L**	Significant figure	Paranaphthalene	2 mg/L [1]	ND	ND	ND	ND
Arsenic	0.02	50	Proposed standard based on EPA IRIS cancer potency factor, current standard based on outdated MCL		0.02 [1]	10 [6]	ND	ND	ND
Atrazine and chlorotriazine metablolites	3	3.0	Significant figure	includes chlorotriazine metabolites	200 [1]	3 [6]	ND	ND	ND
Barium	700	2,000	EPA IRIS updated reference dose		700 [1]	2,000 [6]	ND	ND	ND
Benzene	1	1		Used the median of the range of EPA cancer slope factors (0.015-0.055) to establish standard	1 [1]	5 [6]	ND	ND	ND
Benzo(a)anthracene	0.05	0.0479	Significant figure	Polyaromatic hydrocarbon. Pyrene was used as a surrogate for the reference dose and benzo (a) pyrene was use as a surrogate for the cancer slope factor. A toxicity equivalent factor of 0.1 was applied in accordance with EPA guidance[9].	0.05 [1]	ND	ND	ND	ND
Benzo(b)fluoranthene	0.05	0.0479	Significant figure	Polyaromatic hydrocarbon. Pyrene was used as a surrogate for the reference dose and benzo (a) pyrene was use as a surrogate for the cancer slope factor. A toxicity equivalent factor of 0.1 was applied in accordance with EPA guidance[9].	0.05 [1]	ND	ND	ND	ND
Benzo(k)fluoranthene	0.5	0.479	Significant figure	Polyaromatic hydrocarbon. Pyrene was used as a surrogate for the reference dose and benzo (a) pyrene was use as a surrogate for the cancer slope factor. A toxicity equivalent factor of 0.01 was applied in accordance with EPA guidance[9].	0.5 [1]	ND	ND	ND	ND
Benzoic Acid	30 **mg/L**	28.0 **mg/L**	Significant figure	IMAC	30 mg/L [1]	ND	ND	ND	ND
Benzo(g,h,i)perylene	200	210	Significant figure	Polyaromatic hydrocarbon. Pyrene was used as a surrogate for the reference dose.	200 [1]	ND	ND	ND	ND

Pollutant	Proposed Groundwater Standard	Current 15A NCAC 2L Standard or Interim Maximum Allowable Concentration (IMAC)	Explanation of Standard Revision	Synonyms & Other Info	Calculated Threshold Concentration	Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard	Taste Threshold	Odor Threshold
					Criteria #1 or #2	Criteria # 5	Criteria # 6	Criteria # 3	Criteria # 4
	ug/L except where noted	ug/L except where noted			ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted
Benzo(a)pyrene	0.005	0.00479	Significant figure	Polyaromatic hydrocarbon. Pyrene was used as a surrogate for the reference dose.	0.005 [1]	0.2 [6]	ND	ND	ND
Bis(chloroethyl)ether	0.03	0.031	Significant figure	IMAC	0.03 [1]	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate (formerly listed as di(2-ethylhexyl) phthalate)	3	2.5	Significant figure	di(2-ethylhexyl) phthalate or DEHP	3 [1]	6 [6]	ND	ND	ND
Boron	700	315	EPA IRIS updated reference dose		700 [1]	ND	ND	ND	ND
Bromodichloromethane	0.6	0.56	Significant figure	Based on total trihalomethanes	0.6 [1]	80 [6]	ND	ND	ND
Bromoform	4	4.43	Significant figure	Tribromomethane; based on total trihalomethanes	4 [1]	80 [6]	ND	ND	510 [4]
n-Butylbenzene	Proposed for Removal	70	No data currently available	Standard proposed for removal because the reference dose used to calculate the current standard is no longer supported by EPA and has been withdrawn from their toxicity database	ND	ND	ND	ND	ND
sec-Butylbenzene	Proposed for Removal	70	No data currently available	Standard proposed for removal because the reference dose used to calculate the current standard is no longer supported by EPA and has been withdrawn from their toxicity database	ND	ND	ND	ND	ND
tert-Butylbenzene	Proposed for Removal	70	No data currently available	Standard proposed for removal because the reference dose used to calculate the current standard is no longer supported by EPA and has been withdrawn from their toxicity database	ND	ND	ND	ND	ND
Butylbenzyl Phthalate	1 **mg/L**	0.10 **mg/L**	Proposed standard based on EPA IRIS reference dose	Current standard used reference dose and incorporated a safety factor of 10 for possible carcinogenicity.	1 mg/L [1]	ND	ND	ND	ND
Cadmium	2	1.75	Significant figure		2 [1]	5 [6]	ND	ND	ND
Caprolactam	4 **mg/L**	3.5 **mg/L**	Significant figure		4 mg/L [1]	ND	ND	ND	ND
Carbofuran	40	35	Significant figure		40 [1]	40 [6]	ND	ND	ND
Carbon Disulfide	700	700		Carbon Bisulfide	700 [1]	ND	ND	ND	ND
Carbon Tetrachloride	0.3	0.269	Significant figure	Tetrachloromethane	0.3 [1]	5 [6]	ND	ND	ND
Chlordane	0.1	0.1			0.1 [1]	2 [6]	ND	ND	ND
Chloride	250 **mg/L**	250.0 **mg/L**	Significant figure		ND	ND	250 mg/L [6]	ND	ND
Chlorobenzene	50	50		Phenylchloride; 2L is odor threshold	100 [1]	100 [6]	ND	ND	50 [4]

Pollutant	Proposed Groundwater Standard	Current 15A NCAC 2L Standard or Interim Maximum Allowable Concentration (IMAC)	Explanation of Standard Revision	Synonyms & Other Info	Calculated Threshold Concentration	Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard	Taste Threshold	Odor Threshold
					Criteria #1 or #2	Criteria # 5	Criteria # 6	Criteria # 3	Criteria # 4
	ug/L except where noted	ug/L except where noted			ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted
Chloroethane	Proposed for Removal	2,800	No data currently available	Ethyl Chloride; Standard proposed for removal because the reference dose used to calculate the current standard is no longer supported by EPA and has been withdrawn from their toxicity database	ND	ND	ND	ND	ND
Chloroform	70	70			70 [1]	80 [6]	ND	2,000 [10]	ND
Chloromethane	3	2.6	Significant figure	Methyl Chloride	3 [5, 16]	ND	ND	ND	ND
2-Chlorophenol	0.4	0.36	Significant figure	2L is odor threshold	40 [1]	ND	ND	0.97 [10]	0.36 [10]
2-Chlorotoluene	100	140	Significant figure	o-Chlorotoluene	100 [1]	ND	ND	ND	ND
Chromium	10	50	Proposed standard based on IRIS reference dose, current standard based on a former MCL	Based upon Chromium VI reference dose	10 [1]	100 [6]	ND	ND	ND
Chrysene	5	4.79	Significant figure	Polyaromatic hydrocarbon. Pyrene was used as a surrogate for the reference dose and benzo (a) pyrene was use as a surrogate for the cancer slope factor. A toxicity equivalent factor of 0.001 was applied in accordance with EPA guidance[9].	5 [1]	ND	ND	ND	ND
Coliform, Total	1 per 100 mL	1 per 100 mL			ND	5% [6]	ND	ND	ND
Color	15 color units	15 color units			ND	ND	15 color units [6]	ND	ND
Copper	1 **mg/L**	1.0 **mg/L**	Significant figure		ND	ND	1 mg/L [6]	ND	ND
Cyanide, free	70	70			70 [1]	200 [6]	ND	ND	170 [4]
2,4-D	70	70		2,4-Dichlorophenoxyacetic acid	70 [1]	70 [6]	ND	ND	ND
DDD	0.1	0.14	Significant figure	4,4'-Dichlorodiphenyldichloroethane, p,p'-Dichlorodiphenyldichloroethane	0.1 [1]	ND	ND	ND	ND
DDT	0.1	0.1		4,4'-Dichlorodiphenyltrichloroethane, p,p'-Dichlorodiphenyltrichloroethane	0.1 [1]	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.005	0.0047	Significant figure	Polyaromatic hydrocarbon. Benzo (a) pyrene was use as a surrogate for the cancer slope factor. A toxicity equivalent factor of 1 was applied in accordance with EPA guidance[9].	0.005 [1]	ND	ND	ND	ND
Dibenzofuran	Proposed for Removal	28	No data currently available	IMAC; Standard proposed for removal because the reference dose used to calculate the current standard is no longer supported by EPA and has been withdrawn from their toxicity database	ND	ND	ND	ND	ND

Pollutant	Proposed Groundwater Standard	Current 15A NCAC 2L Standard or Interim Maximum Allowable Concentration (IMAC)	Explanation of Standard Revision	Synonyms & Other Info	Calculated Threshold Concentration	Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard	Taste Threshold	Odor Threshold
					Criteria #1 or #2	Criteria # 5	Criteria # 6	Criteria # 3	Criteria # 4
	ug/L except where noted	ug/L except where noted			ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted
Dibromochloromethane	0.4	0.41	Significant figure	IMAC	0.4 [1]	80 [11]	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	0.025	Updated EPA cancer potency factor	DBCP	0.04 [5, 20]	0.2 [6]	ND	ND	ND
Dibutyl Phthalate (formerly listed as di-n-butyl phthalate)	700	700		Di-n-butyl phthalate, DBP	700 [1]	ND	ND	ND	ND
1,2-Dichlorobenzene (formerly listed as orthodichlorobenzene)	20	24	Significant figure	orthodichlorobenzene, 2L is odor threshold	600 [1]	600 [6]	ND	ND	24 [4]
1,3-Dichlorobenzene (formerly listed as metadichlorobenzene)	200	170	Significant figure	metadichlorobenzene, 2l is odor threshold	600.0	ND	ND	ND	170 [10]
1,4-Dichlorobenzene (formerly listed as paradichlorobenzene)	6	1.4	Updated EPA cancer potency factor	paradichlorobenzene; EPA endorses the use of the Cal-EPA cancer potency factor	6 [5,18]	75 [6]	ND	32 [10]	18 [10]
Dichlorodifluoromethane	1 **mg/L**	1.4 **mg/L**	Significant figure	Freon-12, Halon	1 mg/L [1]	ND	ND	ND	ND
1,1-Dichloroethane	6	70	Proposed standard based on EPA cancer potency factor, current standard based on HEAST reference dose plus a safety factor	EPA currently endorses use of the Cal-EPA CPF	6 [5,18]	ND	ND	ND	ND
1,2-Dichloroethane	0.4	0.38	Significant figure	Ethylene Dichloride	0.4 [1]	5 [6]	ND	ND	20,000 [3]
1,2-Dichloroethene (cis) (formerly listed as cis-1,2-dichloroethene)	70	70		cis-1,2-Dichloroethylene	70 [5, 20]	70 [6]	ND	ND	ND
1,2-Dichloroethene (trans) (formerly listed as trans-1,2-dichloroethene)	100	100.0	Significant figure	trans-1,2-Dichloroethylene	100 [1]	100 [6]	ND	ND	ND
1,1-Dichloroethylene	7	7		1,1-DCE, Vinylidene Chloride	400 [1]	7 [6]	ND	ND	ND
1,2-Dichloropropane	0.6	0.51	Proposed standard based on the EPA Health Advisory, current standard based on HEAST cancer potency factor	Propylene Dichloride	0.6 [11]	5 [6]	ND	ND	ND
1,3-Dichloropropene (cis and trans isomers)	0.4	0.19	Proposed standard based on IRIS cancer potency factor, current standard based on HEAST cancer potency factor	1,3-Dichloropropylene	0.4 [1]	ND	ND	ND	ND
Dieldrin	0.002	0.0022	Significant figure		0.002 [1]	ND	ND	ND	ND
Diethylphthalate	6 **mg/L**	5.0 **mg/L**	Significant figure	DEP	5.6 mg/L [1]	ND	ND	ND	ND
2,4-Dimethylphenol	100	140	Significant figure	m-Xylenol	100 [1]	ND	ND	ND	ND

Pollutant	Proposed Groundwater Standard	Current 15A NCAC 2L Standard or Interim Maximum Allowable Concentration (IMAC)	Explanation of Standard Revision	Synonyms & Other Info	Calculated Threshold Concentration	Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard	Taste Threshold	Odor Threshold
					Criteria #1 or #2	Criteria # 5	Criteria # 6	Criteria # 3	Criteria # 4
	ug/L except where noted	ug/L except where noted			ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted
Di-n-octyl phthalate	Proposed for Removal	140	No data currently available	Standard proposed for removal because the reference dose used to calculate the current standard is no longer supported by EPA and has been withdrawn from their toxicity database	ND	ND	ND	ND	ND
1,4-Dioxane (formerly listed as p-dioxane)	3	7	Proposed standard based on EPA IRIS cancer potency factor	p-Dioxane	3 [1]	ND	ND	ND	230,000 [4]
Dioxin	0.0002 **ng/L**	0.00022 **ng/L**		2,3,7,8-TCDD	0.0002 ng/L [11]	0.03 ng/L [6]	ND	ND	ND
1,1-Diphenyl (formerly listed as diphenyl)	400	350	Significant figure	1,1-Biphenyl / (Odor threshold not used due to limited data)	400 [1]	ND	ND	ND	ND
Dissolved Solids, Total	500 **mg/L**	500 **mg/L**			ND	ND	500 mg/L [6]	ND	ND
Disulfoton	0.3	0.28	Significant figure		0.3 [1]	ND	ND	ND	ND
Diundecyl Phthalate	Proposed for Removal	140	No data currently available	Santicizer 711; Standard proposed for removal because the reference dose for Di-n-octyl phthalate, which was used as a surrogate to calculate the current standard, is no longer supported by EPA and has been withdrawn from their database	ND	ND	ND	ND	ND
Endosulfan (formerly Endosulfan II)	40	42.0	Significant figure	Standard based on technical mixture of alpha and beta isomers; endosulfan II is the beta isomer	40 [1]	ND	ND	ND	ND
Endrin	Proposed for Removal	2	Endrin and Endrin total standards combined into one total endrin standard	Standard based on total of endrin, endrin aldehyde and endrin ketone; Standard proposed for removal because it is calculate the same as the endrin, total standard	2 [1]	2 [6]	ND	ND	ND
Endrin, total (includes endrin, endrin aldehyde, and endrin ketone)	2	2.1		Standard based on total of endrin, endrin aldehyde and endrin ketone	2 [1]	2 [6]	ND	ND	ND
Epichlorohydrin	4	3.54	Significant figure	1-Chloro-2,3-epoxypropane	4 [1]	0.01% dosed @ 20 mg/L [6]	ND	ND	ND
Ethyl acetate	3 **mg/L**	2.60 **mg/L**	Significant figure	IMAC; 2L based on odor threshold	6 mg/L [1]	ND	ND	ND	2.6 mg/L [4]
Ethylbenzene	600	550	Significant figure	Phenylethane, based on odor threshold	700 [1]	700 [6]	ND	780 [10]	550 [10]
Ethylene dibromide	0.02	0.0004	IRIS updated cancer potency factor	EDB, 1,2-Dibromoethane	0.02 [1]	0.05 [6]	ND	ND	ND
Ethylene glycol	10 **mg/L**	14.0 **mg/L**	Significant figure		10 mg/L [1]	ND	ND	ND	ND
Fluoranthene	300	280	Significant figure		300 [1]	ND	ND	ND	ND
Fluorene	300	280	Significant figure		300 [1]	ND	ND	ND	ND

Pollutant	Proposed Groundwater Standard	Current 15A NCAC 2L Standard or Interim Maximum Allowable Concentration (IMAC)	Explanation of Standard Revision	Synonyms & Other Info	Calculated Threshold Concentration	Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard	Taste Threshold	Odor Threshold
					Criteria #1 or #2	Criteria # 5	Criteria # 6	Criteria # 3	Criteria # 4
	ug/L except where noted	ug/L except where noted			ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted
Fluoride	2 **mg/L**	2.0 **mg/L**	Significant figure	Fluorine; calculated threshold concentration not used. IRIS reference dose based on children as a sensitive population. National Secondary DWS used (DWQ SOP guidelines)	1 mg/L [1] (not used)	4 mg/L [6]	2 mg/L [6]	ND	ND
Foaming Agents	500	500			ND	ND	500 [6]	ND	ND
Formaldehyde	600	No current standard	Proposed standard based on odor threshold		1000 [1]	ND	ND	ND	640 [4]
Gross Alpha Particle Activity	15 **pCi/L**	15 **pCi/L**		Excluding Radium-226 and Uranium	ND	15 pCi/L [6]	ND	ND	ND
Heptachlor	0.008	0.0078	Significant figure		0.008 [1]	0.4 [6]	ND	ND	ND
Heptachlor Epoxide	0.004	0.0038	Significant figure		0.004 [1]	0.2 [6]	ND	ND	ND
Heptane	400	420	Significant figure	Used n-Hexane as surrogate	400 [16]	ND	ND	ND	ND
Hexachlorobenzene	0.02	0.02		Perchlorobenzene	0.02 [1]	1 [6]	ND	ND	ND
Hexachlorobutadiene	0.4	0.44	Significant figure	IMAC	0.4 [1]	ND	ND	ND	ND
Hexachlorocyclohexane isomers (technical grade)	0.02	0.019	Significant figure	Technical grade (Includes total of all isomers)	0.02 [1]	ND	ND	ND	ND
n-Hexane	400	420	Significant figure		400 [16]	ND	ND	ND	ND
2-Hexanone	Proposed for Removal	280	No data currently available	IMAC; methyl n- butyl ketone, MBK; Standard proposed for removal because the reference dose used to calculate the current standard is no longer supported by EPA and has been withdrawn from their toxicity database	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.05	0.0479	Significant figure	Polyaromatic hydrocarbon. Benzo (a) pyrene was use as a surrogate for the cancer slope factor. A toxicity equivalent factor of 0.1 was applied in accordance with EPA guidance[9].	0.05 [5,17]	ND	ND	ND	ND
Iron	300	300			3,000 [5, 20]	ND	300 [6]	ND	ND
Isophorone	40	36.8	Significant figure		40 [1]	ND	ND	ND	ND
Isopropylbenzene	70	70	Significant figure	Cumene, 2L based on odor threshold	700 [1]	ND	ND	ND	70 [10]
Isopropyl ether	Proposed for Removal	70	No data currently available	Current 2L standard is based on ethyl ether as a surrogate. This standard is proposed for removal due to uncertainties associated with the use of this surrogate. There is currently no data available for isopropyl ether on which to base a standard	ND	ND	ND	ND	ND

Pollutant	Proposed Groundwater Standard	Current 15A NCAC 2L Standard or Interim Maximum Allowable Concentration (IMAC)	Explanation of Standard Revision	Synonyms & Other Info	Calculated Threshold Concentration	Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard	Taste Threshold	Odor Threshold
					Criteria #1 or #2	Criteria # 5	Criteria # 6	Criteria # 3	Criteria # 4
	ug/L except where noted	ug/L except where noted			ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted
Lead	15	15		Current 2L Standard of 0.015 mg/L is based on the treatment technique (TT) level associated with the federal maximum contaminant level	ND	15 [6] (TT action level)	ND	ND	ND
Lindane	0.03	0.20	Proposed standard based on EPA cancer potency factor, current standard based on IRIS reference dose plus a safety factor	gamma-Hexachlorocyclohexane	0.03 [5,18]	0.2 [11]	ND	ND	ND
Manganese	50	50		Mn - based on secondary drinking water standard protective of color issues	2,000 [1]	ND	50 [11]	ND	ND
Mercury	1	1.05	Significant figure	Federal MCL and IRIS reference dose are based on the surrogate mercuric chloride	1 [1]	2 [6]	ND	ND	ND
Methanol	4 **mg/L**	3.5 **mg/L**	Significant figure		4 mg/L [1]	ND	ND	ND	ND
Methoxychlor	40	35	Significant figure		40 [1]	40 [11]	ND	ND	ND
Methylene chloride	5	4.6	Significant figure	dichloromethane	5 [1]	5 [6]	ND	ND	9,100 [4]
Methyl ethyl ketone	4 **mg/L**	4.20 **mg/L**	Significant figure	MEK, 2-Butanone	4 mg/L [1]	ND	ND	ND	8.4 mg/L [4]
2-Methylnaphthalene	30	14.0	Proposed standard based on IRIS reference dose, current standard based on a surrogate compound		30 [1]	ND	ND	ND	ND
3-Methylphenol	400	35	Proposed standard based on IRIS reference dose, current standard based on reference dose plus a safety factor	m-cresol; EPA Regional Screening Level Table lists 3-methylphenol as a noncarcinogen; therefore, safety factor not warranted	400 [1]	ND	ND	ND	ND
4-Methylphenol	40	3.5	Proposed standard based on HEAST reference dose, current standard based on reference dose plus a safety factor	p-cresol; EPA Regional Screening Level Table lists 4-methylphenol as a noncarcinogen; therefore, safety factor not warranted	40 [16]	ND	ND	ND	ND
Methyl tert-butyl ether	20	200	Proposed standard based on EPA cancer potency factor, current standard based on outdated reference dose	MTBE; odor threshold/ taste threshold are (both) equivalent to the calculate cancer number	20 [5,18]	ND	ND	20-40 or below [12]	20-40 or below [12]
Naphthalene	6	21	Proposed standard based on an updated odor threshold		100 [1]	ND	ND	50 [10]	6 [10]; 21 [4]
Nickel	100	100		Nickel, soluble salts	100 [1]	ND	ND	ND	ND

Pollutant	Proposed Groundwater Standard	Current 15A NCAC 2L Standard or Interim Maximum Allowable Concentration (IMAC)	Explanation of Standard Revision	Synonyms & Other Info	Calculated Threshold Concentration	Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard	Taste Threshold	Odor Threshold
					Criteria #1 or #2	Criteria # 5	Criteria # 6	Criteria # 3	Criteria # 4
	ug/L except where noted	ug/L except where noted			ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted
Nitrate (as N)	10 **mg/L**	10.0 **mg/L**	Significant figure	Calculated threshold concentration not used. The IRIS reference dose was based on infants as a sensitive population	10 mg/L [1]	10 mg/L [6]	ND	ND	ND
Nitrite (as N)	1 **mg/L**	1.0 **mg/L**	Significant figure	Calculated threshold concentration not used. The IRIS reference dose was based on infants as a sensitive population	0.6 mg/L [1]	1 mg/L [6]	ND	ND	ND
N-nitrosodimethylamine	0.0007	0.00070	Significant figure		0.0007 [1]	ND	ND	ND	ND
Oxamyl	200	175	Significant figure	Vydate	200 [1]	200 [6]	ND	ND	ND
Pentachlorophenol	0.3	0.29	Significant figure		0.3 [1]	1 [11]	ND	ND	23 [10]
Petroleum aliphatic carbon fraction class C_5-C_8	400	420	Significant figure	n-hexane used as a surrogate for the reference dose	400 [16]	ND	ND	ND	ND
Petroleum aliphatic carbon fraction class C_9-C_{18}	700	4,200	Updated reference dose	n-nonane used as a surrogate for the reference dose	700 [15]	ND	ND	ND	ND
Petroleum aliphatic carbon fraction class C_{19}-C_{36}	10 **mg/L**	42.0 **mg/L**	Updated reference dose	Eicosane use as a surrogate for the reference dose	10 mg/L [15]	ND	ND	ND	ND
Petroleum aromatic carbon fraction class C_9-C_{22}	200	210	Significant figure	Pyrene used as a surrogate for the reference dose	200 [15]	ND	ND	ND	ND
pH	6.5 - 8.5	6.5 - 8.5			ND	ND	6.5 - 8.5 [6]	ND	ND
Phenanthrene	200	210	Significant figure	Pyrene used as a surrogate for the reference dose	200 [1]	ND	ND	ND	ND
Phenol	30	300	Proposed standard based on an odor threshold, current standard based on a taste threshold	2L is odor threshold	2,000 [1]	ND	ND	ND	31 [10]
Phorate	1	1.4	Significant figure		1 [5,16]	ND	ND	ND	ND
n-Propylbenzene	Proposed for Removal	70	No data currently available	Standard proposed for removal because the reference dose used to calculate the current standard is no longer supported by EPA and has been withdrawn from their toxicity database	ND	ND	ND	ND	ND
Pyrene	200	210	Significant figure		200 [1]	ND	ND	ND	ND

Pollutant	Proposed Groundwater Standard	Current 15A NCAC 2L Standard or Interim Maximum Allowable Concentration (IMAC)	Explanation of Standard Revision	Synonyms & Other Info	Calculated Threshold Concentration	Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard	Taste Threshold	Odor Threshold
					Criteria #1 or #2	Criteria # 5	Criteria # 6	Criteria # 3	Criteria # 4
	ug/L except where noted	ug/L except where noted			ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted
Selenium	20	50	Proposed standard calculate using IRIS reference dose, current standard based on MCL		20 [1]	50 [6]	ND	ND	ND
Silver	20	17.5	Significant figure		20 [1]	ND	100 [6]	ND	ND
Simazine	4	4			40 [1]	4 [6]	ND	ND	ND
Styrene	70	100	Proposed standard based on odor threshold, current standard based on MCL	ethenylbenzene; 2L is odor threshold	1,000 [1]	100 [6]	ND	ND	65 [10]
Sulfate	250 **mg/L**	250.0 **mg/L**	Significant figure	Secondary MCL (based on taste)	ND	ND	250 mg/L [6]	ND	ND
1,1,2,2- Tetrachloroethane	0.2	0.17	Significant figure	IMAC	0.2 [1]	ND	ND	ND	500 [4]
Tetrachloroethylene	0.07	0.7	Updated EPA cancer potency factor	PCE, Perchloroethylene; EPA currently endorses the use of the Cal-EPA cancer potency factor; Under assessment by EPA IRIS	0.07 [5,18]	5 [6]	ND	ND	300 [13]
2,3,4,6-Tetrachlorophenol	200	210	Significant figure		200 [1]	ND	ND	ND	ND
Toluene	600	1,000	Updated IRIS reference dose		600 [1]	1,000 [6]	ND	ND	ND
Toxaphene	0.03	0.031	Significant figure		0.03 [1]	3 [6]	ND	ND	ND
2,4,5- TP	50	50		Silvex, 2(2,4,5- Trichlorophenoxy) propionic acid	60 [1]	50 [6]	ND	ND	ND
1,2,4- Trichlorobenzene	70	70		IMAC	70 [1]	70 [6]	ND	ND	ND
1,1,1- Trichloroethane	200	200			300 [11]	200 [6]	ND	ND	20,000 [10]
Trichloroethylene	3	2.8	Significant figure	TCE	3 [11]	5 [6]	ND	ND	ND
Trichlorofluoromethane	2 **mg/L**	2.1 **mg/L**	Significant figure		2 mg/L [1]	ND	ND	ND	ND
1,2,3- Trichloropropane	0.005	0.005			0.005 [5,16]	ND	ND	ND	ND
1,1,2- trichloro-1,2,2-trifluoroethane	200 **mg/L**	210.0 **mg/L**	Significant figure	CFC-113, Freon 113	200 mg/L [1]	ND	ND	ND	ND
1,2,4- Trimethylbenzene	Proposed for Removal	350	No data currently available	Standard proposed for removal because the reference dose used to calculate the current standard is no longer supported by EPA and has been withdrawn from their toxicity database	ND	ND	ND	ND	ND

Pollutant	Proposed Groundwater Standard	Current 15A NCAC 2L Standard or Interim Maximum Allowable Concentration (IMAC)	Explanation of Standard Revision	Synonyms & Other Info	Calculated Threshold Concentration	Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard	Taste Threshold	Odor Threshold
					Criteria #1 or #2	Criteria # 5	Criteria # 6	Criteria # 3	Criteria # 4
	ug/L except where noted	ug/L except where noted			ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted	ug/L except where noted
1,3,5- Trimethylbenzene	Proposed for Removal	350	No data currently available	Standard proposed for removal because the reference dose used to calculate the current standard is no longer supported by EPA and has been withdrawn from their toxicity database	ND	ND	ND	ND	ND
Vinyl chloride	0.03	0.015	Updated IRIS cancer potency factor	chloroethylene	0.03 [1]	2 [11]	ND	ND	ND
Xylenes (o-, m-, p-)	500	530	Significant figure	2L is odor threshold	1,000 [1]	10,000 [11]	ND	ND	1,800 (o-), 1,100 (m-), 530 (p-) [14]
Zinc	1 **mg/L**	1.05 **mg/L**	Significant figure		1 mg/L [1]	ND	5 mg/L [6]	ND	ND

	Non carcinogen - calculated threshold concentration based on reference dose
	Carcinogen - calculated threshold concentration based on carcinogenic potency factor
	Standard proposed for removal due to lack of toxicity data
	Indicates a proposed change in the 2L standard other than removal

References:

1 IRIS: http://cfpub.epa.gov/ncea/iris/index.cfm
2 RAIS: http://rais.ornl.gov/cgi-bin/tox/TOX_select?select=nrad
3 Verschueren 1996
4 Amoore & Hautala 1983
5 US EPA Regional Screening Levels http://epa-prgs.ornl.gov/chemicals/download.shtml (formerly EPA Region 9 PRGs)
6 EPA Drinking Water Standards: http://www.epa.gov/safewater/consumer/pdf/mcl.pdf
7 Alachlor; RED 1998: http://www.epa.gov/oppsrrd1/REDs/0063.pdf
8 NRWQC 06: http://www.epa.gov/waterscience/criteria/wqcriteria.html
9 EPA Region 4 Human Health Risk Assessment Bulletins (TEFs for cPAH's): http://www.epa.gov/region4/waste/ots/healtbul.htm
10 Young et al. 1996
11 EPA 2006 Edition of the Drinking Water Standards and Health Advisories: http://www.epa.gov/waterscience/criteria/drinking/dwstandards.html
12 EPA Drinking Water Advisory: Consumer Acceptability Advice and Health Effects Analysis on Methyl Tertiary-butyl Ether (MtBE):
http://www.epa.gov/waterscience/criteria/drinking/mtbefact.pdf
13 Agency for Toxic Substances and Disease Registry Toxicological Profile for Tetrachloroethylene (PERC):
http://www.atsdr.cdc.gov/tfacts18.html
14 Agency for Toxic Substances and Disease Registry Toxicological Profile for Xylenes: http://www.atsdr.cdc.gov/tfacts71.html
15 Massachusetts Department of Environmental Protection. Updated Petroleum Hydrocarbon Fraction Toxicity Values for the VPH/EPH/APH Methodology. Nov 2003
http://www.mass.gov/dep/cleanup/laws/tphtox03.pdf
16 Health Effects Assessment Summary Tables FY 1997 Update (EPA 540-R-97-036)
17 EPA Region 3 Risk Based Concentration Tables (October 2007): http://www.epa.gov/reg3hwmd/risk/human/rbc/RBCoct07.pdf (incorporated into the EPA Regional Screening Levels)
18 California Environmental Protection Agency OEHHA toxicity database: http://www.oehha.ca.gov/risk/ChemicalDB/index.asp
19 Treatment Technique: When acrylamide is used in drinking water systems, the combination (or product) of dose and monomer level shall not exceed that equivalent to a polyacrylamide polymer containing 0.05% monomer dosed at 1 mg/L.
20 PPRTV: EPA Provisional Peer Reviewed Toxicity Value distributed on request by EPA Superfund Health Risk Technical Support Center.

ND = No data available.