ICAL CHEMICALS

UNITS	CHEMICAL	MCL	DLR	RESULTS 2001	2004	2005	2006	2007	2008	2009	2010	2011	2012
mg/L	Total Hardness (as $CaCO_3$)			120	99.3	107	105	103	122	109	95.3	75	120
mg/L	Calcium (Ca)			24	20	23	19	20	29	29	25	16	23
mg/L	Magnesium (Mg)			14	12	12	14	13	12	9	8	8.4	16
mg/L	Sodium (Na)			71	43	43	74	59	54	61	54	28	75
mg/L	Potassium (K)			2.9	3	4	4	3	3	3	2	2	3.6
meq/L	Total Cations			5.5	3.9	4.1	5.4	4.7	4.9	4.9	4.3	2.8	5.8
mg/L	Total Alkalinity (as $CaCO_3$)			82	80	80	70	80	90	90	70	55	75
mg/L	Hydroxide (OH)			0	0	0	0	0	0	0	0	0	0
mg/L	Carbonate (CO_3)			0	0	0	0	0	0	0	0	0	0
mg/L	Bicarbonate (HCO_3)			99	90	100	90	100	110	100	80	67	91
mg/L	Sulfate (SO_4)	* +	0.5	38	40	46	37	36	48	49	55	31	47
mg/L	Chloride (Cl)	* +		100	64	54	117	91	66	71	64	35	120
mg/L	Nitrate (NO_3)	45	2.0	3.2	5.4	7.0	4.1	3.4	6.0	5.2	4.3	2.1	3.8
µg/L	Perchlorate	6	1	0					0	0	0	0	0
mg/L	Fluoride (F)	2	0.1	0.1	0.2	0.2	0.1	0.2	0.4	0.1	0.3	0	0
meq/L	Total Anions			5.3	4.2	4.2	5.6	5.0	4.8	4.8	4.4	2.8	5.9
Std Units	pH (Laboratory)			8.4	7.6	7.7	7.7	8.2	7.6	9.2	9.2	8.2	7.9
umhos/cm2	Specific Conductance (E.C.)	*** +		570	444	440	617	522	514	525	468	300	640
mg/L	Total Filterable Residue at 180 °C (TDS)	**** +		300	250	270	380	310	270	260	250	180	350
Units	Apparent Color (Unfiltered)	15		0	0	80	15	15	6	12	12	30	15
TON	Odor Threshold at 60 °C	3	1	1	0	0	0	0	0	0	0	8	3
NTU	Lab Turbidity	5		3.9	9.9	19.0	1.3	1.0	0.5	0.8	1.6	3.9	1.9
mg/L	MBAS	0.5		0	0	0	0	0	0	0	0	0	0

MCL - Maximum Contaminate Level, DLR - Detection Limit for Reporting Purposes, 0 - Not Detected at/or above DLR

* 250-500-600 ** 0.6-1.7 *** 900-1600-2200 **** 500-1000-1500

\+ Indicates Secondary Drinking Water Standards

C CHEMICALS

UNITS	CHEMICAL	MCL	DLR	RESULTS 2001	2004	2005	2006	2007	2008	2009	2010	2011	2012
ug/L	Aluminum	1000	50	0	220	370	40	40	20	20	20	150	0
ug/L	Antimony	6	6	0	0	0	0	0	0	0	0	0	0
ug/L	Arsenic	10	2	0	0	2	0	0	4	5	4	2.6	0
ug/L	Barium	1000	100	0	37.7	42.6	35.6	34.4	44.2	46.0	32.5	0	0
ug/L	Beryllium	4	1	0	0	0	0	0	0	0	0	0	0
ug/L	Cadmium	5	1	0	0	0	0	0	0	0	0	0	0
ug/L	Chromium (Total Cr)	50	10	0	0	0	0	0	2	2	1	0	0
ug/L	Copper	1000 +	50	0	0	0	0	0	0	0	0	0	0
ug/L	Iron	300 +	100	0	430	530	90	70	430	0	0	250	110
ug/L	Lead	---	5	0	0.4	0.7	0	0.2	0	0	0	0	0
ug/L	Manganese	50 +	20	0	20	20	0	0	20	0	0	0	0
ug/L	Mercury	2	1	0	0	0.01	0	0	0	0	0	0	0
ug/L	Nickel	100	10	0	2	3	1	0	0	0	0	0	0
ug/L	Selenium	50	5	0	0	0	0	0	0	0	0	0	0
ug/L	Silver	100	10	0	0	0	0	0	0	0	0	0	0
ug/L	Thallium	2	1	0	0	0	0	0	0	0	0	0	0
ug/L	Zinc	5000	50	0	0	0	0	0	20	0	0	0	0

ADDITIONAL INORGANIC CHEMICALS

UNITS	CHEMICAL		MCL	DLR	RESULTS 2001	2004	2005	2006	2007	2008	2009	2010	2011	2012
ug/L	Boron	NL	1000	100		100	200	100	90	200	200	200		
ug/L	Cyanide, Total		150	100	0	0	0	0	0	0	0	0		
mg/L	Langelier Index Source Temp					-0.6	-0.5	-0.6	0.0	-0.4	1.2	1.0	0.23	0.19
ug/L	Nitrate + Nitrite as N		10,000	400	720	1200	1600	900	800	1400	1176	1073	480	860
ug/L	Nitrite as N (Nitrogen)		1,000	400	0	0	0	0	0	0	0	100	0	0
ug/L	Vanadium	NL	50	3			5			13	9	8		
	Aggressiveness Index					11.2	11.4	11.2	11.8	11.4	13.0	12.8	12	12

ICS CHEMICALS

METHOD	ALL CHEMICALS REPORTED ug/L	MCL ug/L	DLR ug/L	RESULTS 2001	2004	2005	2006	2007	2008	2009	2010	2011	2012
524.2	Bromodichloromethane	---	1.0	0	0	0	0	0	0	0	0	**0**	**0**
524.2	Bromoform	---	1.0	0	0	0	0	0	0	0	0	0	0
524.2	Chloroform (Trichloromethane)	---	1.0	0	0	0	0	0	0	0	0	0	0
524.2	Dibromochloromethane	---	1.0	0	0	0	0	0	0	0	0	0	0
524.2	Total Trihalomethanes (THM'S/TTHM)	80	---	0	0	0	0	0	0	0	0	0	0
524.2	Benzene	1	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Carbon Tetrachloride	0.5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,2-Dichlorobenzene (o-DCB)	600	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,4-Dichlorobenzene (p-DCB)	5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,1-Dichloroethane (1,1-DCA)	5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,2-Dichloroethane (1,2-DCA)	0.5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,1-Dichloroethylene (1,1-DCE)	6	0.5	0	0	0	0	0	0	0	0	0	0
524.2	cis-1,2-Dichloroethylene	6	0.5	0	0	0	0	0	0	0	0	0	0
524.2	trans-1,2-Dichloroethylene	10	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Dichloromethane (Methylene Chloride)	5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,2- Dichloropropane	5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Total 1,3-Dichloropropene	0.5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Ethyl Benzene	300	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Monochlorobenzene (Chlorobenzene)	70	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Methyl tert-Butyl Ether (MTBE)	5	3	0	0	0	0	0	0	0	0	0	0
524.2	Ethyl tert-Butyl Ether (ETBE)	---	3	0	0	0	0	0	0	0	0	0	0
524.2	Tert-amyl-methyl Ether (TAME)	---	3	0	0	0	0	0	0	0	0	0	0
524.2	Styrene	100	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,1,2,2-Tetrachloroethane	1	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Tetrachloroethylene (PCE)	5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Toluene	150	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,2,4-Trichlorobenzene	5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,1,1-Trichloroethane (1,1,1-TCA)	200	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,1,2-Trichloroethane (1,1,2-TCA)	5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Trichloroethylene (TCE)	5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Trichlorofluoromethane (Freon 11)	150	5.0	0	0	0	0	0	0	0	0	0	0
524.2	Trichlorotrifluoroethane (Freon 113)	1200	10.0	0	0	0	0	0	0	0	0	0	0
524.2	Vinyl Chloride (VC)	0.5	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Total Xylenes (m, p & o)	1750	---	0	0	0	0	0	0	0	0	0	0
507	Thiobencarb (Bolero)	+ 70	1		0	0	0	0	0	0	0		

RGANICS CHEMICALS

METHOD	AL ALL CHEMICALS REPORTED ug/L	MCL ug/L	DLR ug/L	RESULTS 2001	2004	2005	2006	2007	2008	2009	2010	2011	2012
	Acetaldehyde												
524.2	Bromobenzene	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Bromochloromethane	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Bromomethane (Methyl Bromide)	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	tert-Butyl Alcohol (TBA)	---	2		0	0	0	0	0	0	0		
524.2	n-Butylbenzene	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	sec-Butylbenzene	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	tert-Butylbenzene	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Chloroethane	---	0.5	0	0	0	0	0	0	0	0	0	0
	2-Chloroethylvinyl Ether			0									
524.2	Chloromethane (Methyl Chloride)	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	2-Chlorotoluene	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	4-Chlorotoluene	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Dibromomethane	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,3-Dichlorobenzene (m-DCB)	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	Dichlorodifluoromethane (Freon 12)	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,3-Dichloropropane	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	2,2-Dichloropropane	---	0.5	0	0	0	0	0	0	0	0	0	0
	1,1-Dichloropropane												
524.2	1,1-Dichloropropene	---	0.5	0	0	0	0	0	0	0	0	0	0
	Diisopropyl Ether (DIPE)	---	3					0	0			0	0
	1,4-Dioxane	---	3										
	1,2-Diphenylhydrazine												
	Glyoxal												
524.2	Hexachlorobutadiene	---	0.5	0	0	0	0	0	0	0	0	0	0
	Isopropyl Alcohol												
524.2	Isopropylbenzene (Cumene)	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	p-Isopropyltoluene			0	0	0	0	0	0	0	0	0	0
	2-Methylphenol												
524.2	Naphthalene	---	0.5	0	0	0	0	0	0	0	0	0	0
	Nitrobenzene												
	Pentachloroethane		0.5										
524.2	n-Propylbenzene	---	0.5	0	0	0	0	0	0	0	0	0	0
	Terbufos												
524.2	1,1,1,2-Tetrachloroethane	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,2,3-Trichlorobenzene	---	0.5	0	0	0	0	0	0	0	0	0	0
	1,3,5-Trichlorobenzene												
524.2	1,2,3-Trichloropropane	---	0.005	0	0	0	0	0	0	0	0		
	1,2,3-Trimethylbenzene												
524.2	1,2,4-Trimethylbenzene	---	0.5	0	0	0	0	0	0	0	0	0	0
524.2	1,3,5-Trimethylbenzene	---	0.5	0	0	0	0	0	0	0	0	0	0
	Methyl Ethyl Ketone (MEK, Butanone)	---	5									0	0
	Methyl Isobutyl Ketone (MIBK)	---	5									0	0
	bis (2-Chloroethyl) Ether												

GANICS CHEMICALS

METHOD	AL ALL CHEMICALS REPORTED ug/L	MCL ug/L	DLR ug/L	RESULTS 2001	2005	2008a	2008b	Feb-11	2012
504.1	Dibromochloropropane (DBCP)	0.2	0.01	0	0.55	0		0	0
504.1	Ethylene Dibromide (EDB)	0.05	0.02	0	0	0		0	0
505	Endrin	2	0.10	0	0	0		0	0
505	Lindane (gamma-BHC)	0.2	0.20	0	0	0		0	0
505	Methoxychlor	30	10.00	0	0	0		0	0
505	Toxaphene	3	1.00	0	0	0		0	0
505	Chlordane	0.1	0.10	0	0	0		0	0
525.2	Diethylhexylphthalate (DEHP)	4	3.00	0	0	0		0	0
505	Heptachlor	0.01	0.01	0	0	0		0	0
505	Heptachlor epoxide	0.01	0.01	0	0	0		0	0
507	Atrazine (AAtrex)	1	0.50	0	0	0		0	0
507	Molinate (Ordram)	20	2.00	0	0	0		0	0
507	Simazine (Princep)	4	1	0	0	1	0	0	0
507	Thiobencarb (Bolero)	+ 70	1	0	0	0		0	0
507	Alachlor (Alanex)	2	1	0	0	0		0	0
515.3	Bentazon (Basagran)	18	2	0	0	0		0	0
525.2	Benzo(a)pyrene	0.2	0.1	0	0	0		0	0
1613	2,3,7,8-TCDD (Dioxin) Units=picogram/L	30	5	0	0	0		0	0
515.3	2,4-D	70	10	0	0	0		0	0
515.3	2,4,5-T	---	---		0	0			
515.3	2,4,5-TP (Silvex)	50	1	0	0	0		0	0
531.1	Carbofuran (Furadan)	18	5	0	0	0		0	0
515.3	Dalapon	200	10	0	0	0		0	0
515.3	Dinoseb (DNBP)	7	2	0	0	0		0	0
549.2	Diquat	20	4	0	0	0		0	0
525.2	Di(2-ethylhexyl)adipate	400	5	0	0	0		0	0
548.1	Endothall	100	45	0	0	0		0	0
547	Glyphosate	700	25	0	0	0		0	0
505	Hexachlorobenzene	1	0.5	0	0	0		0	0
505	Hexachlorocyclopentadiene	50	1	0	0	0		0	0
531.1	Oxamyl (Vydate)	50	20	0	0	0		0	0
515.3	Pentachlorophenol (PCP)	1	0.2	0	0	0		0	0
515.3	Picloram	500	1.0	0	0	0		0	0
505	Polychlorinated Biphenyls, Total, as PCB	0.5	0.5	0	0	0		0	0

RGANICS CHEMICALS

METHOD	AL ALL CHEMICALS REPORTED ug/L	MCL ug/L	DLR ug/L	RESULTS 2001	2005	2008	2011	2012
531.1	Aldicarb (Temik)	---	3	0	0	0	**0**	0
531.1	Aldicarb Sulfone	---	4	0	0	0	**0**	0
531.1	Aldicarb Sulfoxide	---	3	0	0	0	**0**	0
505	Aldrin	---	0.075		0	0	**0**	0
507	Bromacil (Hyvar)	---	10	0	0	0	0	0
507	Butachlor	---	0.38	0	0	0	0	0
531.1	Carbaryl (Sevin)	---	5	0	0	0	0	0
	Carbon disulfide	---	0.5				0	0
	Chlorothalonil (Daconil, Bravo)	---	5	0				
	DCPA (total di & mono acid degenerates)						0	0
507	Diazinon			0	0	0	0	0
515.3	Dicamba (Banvel)	---	1.5	0	0	0	0	0
505	Dieldrin	---	0.02	0	0	0	0	0
	Diuron							
	Fonofos							
531.1	3-Hydroxycarbofuran	---	3	0	0	0	0	0
531.1	Methomyl	---	2	0	0	0	0	0
507	Metribuzin			0	0	0	0	0
507	Prometryne (Caparol)	---	2	0	0	0		
507	Propachlor	---	0.5	0	0	0	0	0
	Terbacil							
505	PCB-1016, 1221, 1232, 1242, 1248, 1254, 1260 (as decachlorobiphenyl (DCB))	0.5	0.5	0	0	0	0	0

	MONITORING			RESULTS			
METHOD	ALL CHEMICALS REPORTED ug/L	MCL ug/L	DLR ug/L	2001	2005	2008	2012
521	N-Nitrosodiethylamine (0EA)						
521	N-Nitrosodimethylamine (0MA)						
521	N-Nitroso-di-n-butylamine (0BA)						
521	N-Nitroso-di-n-propylamine (0PA)						
521	N-Nitrosomethylethylamine (NMEA)						
521	N-Nitrosopyrrolidine (NPYR)						
525.2	Acetochlor						
525.2	Alachlor (Alanex)	2	1	0	0	0	0
525.2	Metolachlor			0	0	0	0
527	2,2',4,4'-Tetrabromodiphenyl Ether						
527	2,2',4,4',5-Pentabromodiphenyl Ether						
527	2,2',4,4',5,5'-Hexabromobiphenyl Ether						
527	2,2',4,4',5,5'-Hexabromodiphenyl Ether						
527	2,2',4,4',6-Pentabromodiphenyl Ether						
527	Dimethoate (Cygon)			0	0	0	0
527	Terbufos Sulfone						
529	1,3-Dinitrobenzene						
529	2,4,6-Trinitrotoluene (TNT)						
529	RDX (Hexahydro-trinitro-triazine)						
535	Acetochlor Ethane Sulfonic Acid (ESA)						
535	Acetochlor Oxanilic Acid (OA)						
535	Alachlor Ethane Sulfonic Acid (ESA)						
535	Alachlor Oxanilic Acid (OA)						
535	Metolachlor Ethane Sulfonic Acid (ESA)						
535	Metolachlor Oxanilic Acid (OA)						

CHEMICALS

				2000				2001				2002				2005				2007				2010
	CHEMICAL	MCL	DLR	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
pCi/L	Gross Alpha	15	3	3.8			1.3	0	4.1	0	0				0									5.07
pCi/L	Gross Alpha Counting Error			1.0			0.5	0.69	0.85	0.68	0.56				1.4									± 1.49
pCi/L	Gross Alpha MDA95 *																							0.980
pCi/L	Uranium	20	1																					1.82
pCi/L	Uranium Counting Error																							± 1.01
pCi/L	Uranium MDA95																							0.395
pCi/L	Radium 226	---	1																					
pCi/L	Radium 226 Counting Error																							
pCi/L	Radium 226 MDA95																							
pCi/L	Radium 228		1													0.0120	0.000	0.191	0.0332					
pCi/L	Radium 228 Counting Error															± 0.447	± 0.385	± 0.539	± 0.386					
pCi/L	Radium 228 MDA95																							
pCi/L	Ra 226 + Ra 228, Combined	5	---																					
pCi/L	Ra 226 + Ra 228, Counting Error, Combined																							
pCi/L	Ra 226 + Ra 228 MDA95, Combined																							
	Radium, Total, (For NTNC Only, By 903.0)																							
pCi/L	Radium, Total																							
pCi/L	Radium, Total, Counting Error																							
pCi/L	Radium, Total, MDA95																							
pCi/L	Gross Beta	50	4												4.7					1.31	1.14	0.000	4.04	0.411
pCi/L	Gross Beta Counting Error														1.2					± 0.736	± 0.786	± 0.611	± 0.947	± 0.989
pCi/L	Gross Beta MDA95																			1.1	1.1	1.1	1.1	1.24
pCi/L	Gross Beta, Calculated Dose Equivalent *	4	---																					
pCi/L	Strontium 90	8	2																	1.07				0.029
pCi/L	Strontium 90 Counting Error																			± 0.551				± 0.286
pCi/L	Strontium 90 MDA95																			0.74				0.766
pCi/L	Tritium	20,000	1,000																	0.000				75.7
pCi/L	Titrium Counting Error																			± 205				± 232
pCi/L	Titrium MDA95																			420				381
	Radon																							
pCi/L	Radon 222	---	100																					
pCi/L	Radon 222 Counting Error																							

* MDA95 is Minimum Detectable Activity at the 95% confidence level, per 22 CCR 64442 a0 64443

** Gross Beta, Calculated Total Body or Organ Dose Equivalent, Per 22 CCR 64443

GROSS ALPHA AVERAGE =	1.025
URANIUM AVERAGE =	
RADIUM 226 AVERAGE =	
RADIUM 228 AVERAGE =	0.0591
GROSS BETA AVERAGE =	1.623

Chromium (Total Cr)

UNITS	CHEMICAL	MCL	DLR	2001b
ug/L	Chromium (Total Cr)	50	10	0

GENERAL MINERAL & PHYSICAL CHEMICALS

UNITS	CHEMICAL	MCL	DLR	2001b
mg/L	Nitrate (NO_3)	45	2.0	4.9
µg/L	Perchlorate	6	1	0

Asbestos

UNITS	CHEMICAL	MCL	DLR	F-11	F-12				Min	Max	Avg
MFL	Asbestos			0	0				0	0	0

Carbon Dioxide

UNITS	CHEMICAL	MCL	DLR	F-11	F-12				Min	Max	Avg
ug/L	Carbon Dioxide			0	0				0	0	0