

NOTES:																	
All chemical specific values are in ug/L and expressed as total unless otherwise indicated																	
EXP = exponent in log base e																	
H = hardness (in mg/L)																	
ID = insufficient data to derive value																	
NLS = no literature search has been conducted																	
NA = not applicable																	
@ = Bioaccumulative Chemical of Concern																	
# = carcinogen																	
* = the lowest HNV, WV, HCV or FCV given for this chemical will adequately protect the uses identified with "ID"																	
CFa = acute conversion factor for cadmium = 1.136672-[(lnH)(0.04184)]																	
CFb = chronic conversion factor for cadmium = 1.101672-[(lnH)(0.04184)]																	
CFc = acute and chronic conversion factor for lead = 1.46203-[(lnH)(0.14571)]																	
D = value is expressed as dissolved																	
Modifications/additions to this spreadsheet compared to the previous one dated 6/2/2011 are shaded																	
) spreadsheet, are shaded																	
Rule 57 Water Quality Values Surface Water Assessment Section Michigan DEQ																	
12/5/2011																	
CAS #	PARAMETER NAME	HNV		HNV		WV		HCV		HCV		FCV		AMV		FAV	
		Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date
50000	Formaldehyde	5000	1200906	390000	1200906	NA		NA		NA		120	2199807	1000	2199807	2100	2199807
50293	DDT # @	0.002	1199707	0.002	1199707	0.000011	1199707	0.00015	1199707	0.00015	1199707	0.0032	2199708	0.029	2199708	0.057	2199708
50328	Benzo(a)pyrene #	NLS		NLS		NA		NLS		NLS		ID	201003	ID	201003	ID	201003
51285	2,4-Dinitrophenol	55	1199707	2800	1199707	NA		NA		NA		19	2200301	130	2200301	270	2200301
53703	Dibenz(a,h)anthracene #	NLS		NLS		NA		NLS		NLS		ID	199712	ID	199712	ID	199712
56235	Carbon tetrachloride #	18	1200709	140	1200709	NA		5.6	1200709	45	1200709	77	2200709	690	2200709	1400	2200709
56382	Parathion	NLS		NLS		NA		NA		NA		0.013	1199707	0.065	1199707	0.13	1199707
56553	Benzo(a)anthracene	NLS		NLS		NA		NLS		NLS		ID	200002	ID	200002	ID	200002
57125	Cyanide, free	600	1199707	48000	1199707	NA		NA		NA		5.2	1199707	22	1199707	44	1199707
57410	Phenytin #	790	1201004	11000	1201004	NA		6.1	1201004	89	1201004	120	2200606	1100	2200606	2200	2200606
57556	Propylene glycol	580000	1200202	47000000	1200202	NA		NA		NA		290000	2200203	1000000	2200203	2100000	2200203
57749	Chlordane # @	0.0014	1199707	0.0014	1199707	NLS		0.00025	1199707	0.00025	1199707	0.029	2199705	0.27	2199705	0.53	2199705
58899	Lindane # @	0.47	1199707	0.5	1199707	0.026	1199809	0.025	2199809	0.027	2199809	0.07	2199706	0.95	1199707	1.9	1199707
58902	2,3,4,6-Tetrachlorophenol	120	2200301	150	2200301	NA		NA		NA		1.2	2200301	11	2200301	22	2200301
59507	4-Chloro-3-methylphenol	6900	1200103	39000	1200103	NA		NA		NA		7.4	2200103	67	2200103	130	2200103
60297	Ethyl ether	14000	1199707	1000000	1199707	NA		NA		NA		ID	200605	ID	200605	ID	200605
60571	Dieldrin # @	0.00041	1199707	0.00041	1199707	0.000071	1199704	0.0000065	1199707	0.0000065	1199707	0.056	1199707	0.24	1199707	0.48	1199707
62533	Aniline #	190	1199809	13000	1199809	NA		21	1199809	1500	1199809	4	2199907	18	2199907	36	2199907
64175	Ethanol	1500000	1199810	120000000	1199810	NA		NA		NA		NLS		NLS		NLS	
64186	Formic acid	38000	1199905	3100000	1199905	NA		NA		NA		ID	199905	ID	199905	ID	199905
64197	Acetic acid (includes acetate)	16000	2199807	1300000	2199807	NA		NA		NA		EXP(0.2732*(pH) + 7.0362)	2200506	EXP(0.2732*(pH) + 9.2333)	2200506	EXP(0.2732*(pH) + 9.9265)	2200506
67561	Methanol	14000	1199810	1100000	1199810	NA		NA		NA		590000	2200307	1300000	2200307	2700000	2200307
67630	2-Propanol	28000	1200202	2200000	1200202	NA		NA		NA		57000	2200203	500000	2200203	1000000	2200203
67641	Acetone	5600	1199710	450000	1199710	NA		NA		NA		1700	2199711	15000	2199711	30000	2199711
67663	Chloroform #	350	1201009	11000	1201009	NA		*	201009	*	201009	630	2201001	5700	1201001	11000	1201001
67685	Dimethylsulfoxide	830000	1199807	67000000	1199807	NA		NA		NA		190000	2199709	1700000	2199709	3400000	2199709
67721	Hexachloroethane #	6	1199707	7.6	1199707	NA		5.3	1199707	6.7	1199707	13	2200512	110	2200512	210	2200512
71363	n-Butanol	3500	1201107	250000	1201107	NA		NA		NA		9800	2201108	88000	2201108	180000	2201108
71432	Benzene #	19	1199707	510	1199707	NA		12	1199707	310	1199707	200	2201109	950	2201109	1900	2201109
71501	Acetate (includes acetic acid)	16000	2199807	1300000	2199807	NA		NA		NA		EXP(0.2732*(pH) + 7.0362)	2200407	EXP(0.2732*(pH) + 9.2333)	2200407	EXP(0.2732*(pH) + 9.9265)	2200407
71556	1,1,1-Trichloroethane	1900	1200407	42000	1200407	NA		NA		NA		89	2200309	800	2200309	1600	2200309
72208	Endrin	NLS		NLS		NA		NA		NA		0.036	1199707	0.086	1199707	0.172	1199707
74839	Bromomethane	39	1199708	2600	1199708	NA		NA		NA		35	2199801	320	2199801	640	2199801
74873	Chloromethane #	3500	1201005	240000	1201005	NA		110	1201005	7300	1201005	ID	201011	ID	201011	ID	201011
74895	Methylamine	ID	199805	ID	199805	NA		NA		NA		ID	199807	ID	199807	ID	199807
74931	Methylmercaptan	140	1200107	11000	1200107	NA		NA		NA		ID	200107	ID	200107	ID	200107
74975	Bromochloromethane	1000	1200108	59000	1200108	NA		NA		NA		ID	201010	ID	201010	ID	201010
75003	Chloroethane #	500000	1200810	27000000	1200810	NA		170	1200810	9400	1200810	1100	2200805	10000	2200805	20000	2200805
75014	Vinyl chloride #	83	1201111	4400	1201111	NA		0.25	1201111	13	1201111	930	2201111	8400	2201111	17000	2201111
75047	Ethylamine	740	1199712	60000	1199712	NA		NA		NA		ID	199807	ID	199807	ID	199807
75070	Acetaldehyde	1200	2200107	93000	2200107	NA		NA		NA		130	2200107	1200	2200107	2400	2200107
75092	Methylene chloride #	1600	1199707	90000	1199707	NA		47	1199707	2600	1199707	1500	2200911	8500	2200911	17000	2200911
75150	Carbon disulfide	1000	1199809	34000	1199809	NA		NA		NA		ID	200511	ID	200511	ID	200511
75252	Bromoform #	470	1199801	8100	1199801	NA		52	1199801	890	1199801	ID	199712	ID	199712	ID	199712

CAS #	PARAMETER NAME	HNV		HNV		WV		HCV		HCV		FCV		AMV		FAV	
		Drink		Non-drink				Drink		Non-drink		Value	verif date	Value	verif date	Value	verif date
		Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date						
75274	Dichlorobromomethane #	170	1200811	4500	1200811	NA		6.8	1200811	180	1200811	ID	200806	ID	200806	ID	200806
75343	1,1-Dichloroethane	9800	1201111	400000	1201111	NA		NA		NA		740	2201111	6600	2201111	13000	2201111
75354	1,1-Dichloroethylene	1200	1200709	33000	1200709	NA		NA		NA		130	2200707	1200	2200707	2300	2200707
75434	Dichlorofluoromethane	2500	2199910	130000	2199910	NA		NA		NA		150	2199910	1300	2199910	2600	2199910
75569	Propylene oxide #	ID*	199711	ID*	199711	NA		2.3	1199711	180	1199711	220	2199709	2000	2199709	4000	2199709
75718	Dichlorodifluoromethane	2900	1200906	90000	1200906	NA		NA		NA		ID	200911	ID	200911	ID	200911
76131	1,1,2-Trichloro-1,2,2-trifluoroethane	444000	1200007	1834000	1200007	NA		NA		NA		32	2200007	280	2200007	570	2200007
76448	Heptachlor #	0.071	2200007	0.072	2200007	NA		0.0017	2200007	0.0018	2200007	0.07	2200012	0.42	1200012	0.85	1200012
77474	Hexachlorocyclopentadiene	140	1199904	450	1199904	NA		NA		NA		ID	199904	ID	199904	ID	199904
77769	2,2-Dimethoxypropane	ID	199810	ID	199810	NA		NA		NA		ID	199812	ID	199812	ID	199812
78591	Isophorone #	4100	1199811	110000	1199811	NA		310	1199811	8200	1199811	1300	2200207	4600	2200207	9200	2200207
78875	1,2-Dichloropropane #	12000	1200309	380000	1200309	NA		9.1	1200309	290	1200309	230	2200309	2000	2200309	4000	2200309
78933	Methyl ethyl ketone	17000	1201005	1,300,000	1201005	NA		NA		NA		2200	2201001	20000	2201001	40000	2201001
79005	1,1,2-Trichloroethane #	110	1200709	3000	1200709	NA		12	1200709	330	1200709	730	2200802	3200	2200802	6400	2200802
79016	Trichloroethylene #	44	1199709	550	1199709	NA		29	1199707	370	1199707	200	2200509	1800	2200509	3500	2200509
79061	Acrylamide #	28	1200506	2200	1200506	NA		0.12	1200506	10	1200506	590	2200808	5300	2200808	11000	2200808
79094	Propionic acid	50000	1199807	3900000	1199807	NA		NA		NA		ID	199709	ID	199709	ID	199709
79345	1,1,2,2-Tetrachloroethane #	180	1200709	4300	1200709	NA		3.2	1200709	78	1200709	200	2200707	910	2200707	1800	2200707
79390	Methacrylamide	NLS		NLS		NA		NLS		NLS		ID	201011	ID	201011	ID	201011
80057	Bisphenol A	NLS		NLS		NLS		NLS		NLS		20	2200212	180	2200212	350	2200212
80466	Dimethylpropyl phenol	ID	199707	ID	199707	NA		NA		NA		ID	199710	ID	199710	ID	199710
83329	Acenaphthene	580	2199903	890	2199903	NA		NA		NA		38	1200206	100	1200206	200	1200206
84662	Diethyl phthalate	14000	1200101	40000	1200101	NA		NA		NA		110	2200101	980	2200101	2000	2200101
84742	Di-n-butyl phthalate	640	2199808	690	2199808	NA		NA		NA		9.7	2199809	38	2199809	75	2199809
84764	Dinonyl phthalate	ID*	200501	ID*	200501	NA		NA		NA		140	2200501	1200	2200501	2500	2200501
85018	Phenanthrene	ID*	199706	ID*	199706	NA		NA		NA		1.4	2200703	4.7	2200703	9.4	2200703
85687	Butyl benzyl phthalate	6.9	1199902	160	1199902	NA		NA		NA		67	2200207	310	1200207	630	1200207
86737	Fluorene	140	2199901	160	2199901	NA		NA		NA		12	2199809	110	2199809	720	2199809
86748	Carbazole#	ID*	199809	ID*	199809	NA		19	1200001	41	1200001	4	2199905	36	2199905	72	2199905
87616	1,2,3-Trichlorobenzene	55	1200609	73	1200609	NA		NA		NA		ID	200609	ID	200609	ID	200609
87683	Hexachlorobutadiene # @	0.093	1199704	0.098	1199704	0.053	1199906	0.33	2199704	0.35	2199704	1	2199904	7	2199904	15	2199904
87821	Hexabromobenzene	81	1199903	6500	1199903	NA		NA		NA		ID	199903	ID	199903	ID	199903
87865	Pentachlorophenol #	300	1199710	450	1199710	NA		1.8	1199710	2.8	1199710	EXP(1.005*(pH)-5.134)	1199707	EXP(1.005*(pH)-4.869)	1199707	(EXP(1.005*(pH)-4.869))^2	1199707
88062	2,4,6-Trichlorophenol #	1900	1200612	14000	1200612	NA		41	1200612	290	1200612	5	2200609	39	2200609	79	2200609
88697	2-Isopropylphenol	ID	200212	ID	200212	NA		NA		NA		36	2200212	320	2200212	650	2200212
88755	2-Nitrophenol	ID	201005	ID	201005	NA		NA		NA		56	2200911	510	2200911	1000	2200911
88857	Dinoseb	28	1200006	1900	1200006	NA		NA		NA		0.48	2200005	4.8	2200005	9.5	2200005
91203	Naphthalene	1100	1201001	2300	1201001	NA		NA		NA		11	2200802	100	2200802	200	2200802
91576	2-Methylnaphthalene	600	2200911	1000	2200911	NA		NA		NA		19	2200909	170	2200909	340	2200909
91941	3,3'-Dichlorobenzidine #	650	2199709	950	2199709	NA		0.14	2199709	0.2	2199709	4.5	2199710	41	2199710	81	2199710
92524	Biphenyl	460	1200108	690	1200108	NA		NA		NA		13	2200110	54	2200110	110	2200110
92875	Benzidine #	74	1201003	3700	1201003	NA		0.0015	1201003	0.073	1201003	2.7	2200902	25	2200902	49	2200902
93721	Silvex	83	2200301	140	2200301	NA		NA		NA		30	2200301	270	2200301	540	2200301
93765	2,4,5-T	490	1200301	1200	1200301	NA		NA		NA		ID	200301	ID	200301	ID	200301
94757	2,4-D	240	1199804	1900	1199804	NA		NA		NA		220	2199802	1400	2199802	2900	2199802
95487	2-Methylphenol	1400	1199802	44000	1199802	NA		NA		NA		76	2201109	690	2201109	1400	2201109
95498	o-Chlorotoluene	360	1200010	970	1200010	NA		NA		NA		ID	200010	ID	200010	ID	200010
95501	1,2-Dichlorobenzene	2000	1200609	11000	1200609	NA		NA		NA		13	2200609	120	2200609	240	2200609
95512	2-Chloroaniline	91	1200809	3100	1200809	NA		NA		NA		ID	199906	ID	199906	ID	199906
95578	2-Chlorophenol	190	2200703	400	2200703	NA		NA		NA		18	2200806	160	2200806	320	2200806
95636	1,2,4-Trimethylbenzene	190	2200101	330	2200101	NA		NA		NA		17	2200102	150	2200102	310	2200102
95658	3,4-Dimethylphenol	37	1201109	580	1201109	NA		NA		NA		25	2201108	230	2201108	460	2201108
95943	1,2,4,5-Tetrachlorobenzene	2.8	1199902	2.9	1199902	ID		NA		NA		3	2199905	23	2199905	46	2199905
96128	1,2-Dibromo-3-chloropropane #	ID*	200908	ID*	200908	NA		0.24	1200908	4.9	1200908	ID	200908	ID	200908	ID	200908
98066	tert-Butylbenzene	ID	200109	ID	200109	NA		NA		NA		ID	200109	ID	200109	ID	200109
98668	4-Chlorobenzenesulfonic acid	28000	2200908	2200000	2200908	NA		NA		NA		ID	200908	ID	200908	ID	200908
98828	Cumene	1700	1201103	3800	1201103	NA		NA		NA		28	2200807	250	2200807	500	2200807
98862	Acetophenone	ID	200108	ID	200108	NA		NA		NA		ID	200109	ID	200109	ID	200109
98953	Nitrobenzene #	26	1201005	990	1201005	NA		4.7	1201005	180	1201005	230	2201002	1000	2201002	2100	2201002
99876	p-Isopropyltoluene	ID	200011	ID	200011	NA		NA		NA		ID	200010	ID	200010	ID	200010
99898	4-Isopropylphenol	ID	200212	ID	200212	NA		NA		NA		20	2200212	180	2200212	360	2200212
100027	4-Nitrophenol	680	1200906	18000	1200906	NA		NA		NA		200	2200806	940	2200806	1900	2200806
100414	Ethylbenzene #	2100	1199704	8900	1199704	NA		25	1200409	110	1200409	18	2200309	160	2200309	320	2200309

CAS #	PARAMETER NAME	HNV		HNV		WV		HCV		HCV		FCV		AMV		FAV	
		Drink		Non-drink				Drink		Non-drink		Value		Value		Value	
		Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date
100425	Styrene #	4200	1199809	18000	1199809	NA		20	1199809	80	1199809	160	2199802	1400	2199802	2900	2199802
100618	N-methylaniline	ID	200607	ID	200607	NA		NA		NA		ID	200607	ID	200607	ID	200607
101848	Diphenyloxide	44	2200109	78	2200109	NA		NA		NA		2.9	2200109	26	2200109	52	2200109
102829	Tributylamine	ID	199707	ID	199707	NA		NA		NA		ID	199710	ID	199710	ID	199710
103231	Di(2-ethylhexyl)adipate	ID	200201	ID	200201	NA		ID	200201	ID	200201	4.6	2200404	41	2200404	83	2200404
103333	Azobenzene #	ID*	201004	ID*	201004	NA		3.7	2201004	6.0	2201004	ID	201004	ID	201004	ID	201004
103651	N-propyl benzene	ID	200011	ID	200011	NA		NA		NA		ID	200609	ID	200609	ID	200609
103695	N-ethylaniline	ID	199902	ID	199902	NA		NA		NA		1.8	2199709	16	2199709	32	2199709
104518	n-Butylbenzene	ID	200011	ID	200011	NA		NA		NA		ID	200010	ID	200010	ID	200010
104767	2-Ethylhexanol #	8700	1200201	68000	1200201	NA		86	1200408	660	1200408	130	2200402	1100	2200402	2300	2200402
105679	2,4-Dimethylphenol	450	1199707	8700	1199707	NA		NA		NA		380	2199909	1300	2199909	2700	2199909
106445	4-Methylphenol	1400	1199802	45000	1199802	NA		NA		NA		25	2200204	230	2200204	450	2200204
106467	1,4-Dichlorobenzene #	1100	1201111	11000	1201111	NA		24	1201111	240	1201111	17	2201109	100	2201109	210	2201109
106478	4-Chloroaniline #	39	1200805	1400	1200805	NA		2	1200805	72	1200805	ID	200804	ID	200804	ID	200804
106489	4-Chlorophenol	880	2201005	14000	2201005	NA		NA		NA		30	2201010	270	2201010	530	2201010
106934	1,2-Dibromoethane #	250	1200607	8200	1200607	NA		0.17	1200607	5.7	1200607	15	2200607	140	2200607	280	2200607
107062	1,2-Dichloroethane #	6900	1200512	420000	1200512	NA		6	1200512	360	1200512	2000	2200409	8200	2200409	16000	2200409
107131	Acrylonitrile #	58	1200708	320	1200708	NA		0.21	1200708	1.2	1200708	66	2201010	590	2201010	1200	2201010
107211	Ethylene glycol	56000	1200003	4500000	1200003	NA		NA		NA		190000	2200003	1700000	2200003	3400000	2200003
108101	4-Methyl-2-pentanone	ID	201003	ID	201003	NA		NA		NA		ID	200906	ID	200906	ID	200906
108203	Diisopropylether	22000	1200008	1200000	1200008	NA		NA		NA		ID	200008	ID	200008	ID	200008
108394	3-Methylphenol	2700	1199912	89000	1199912	NA		NA		NA		71	2199912	636	2199912	1271	2199912
108601	Bis(2-chloroisopropyl)ether #	990	1199711	47000	1199711	NA		6	1199711	290	1199711	ID	199709	ID	199709	ID	199709
108678	1,3,5-Trimethylbenzene	2000	1200101	4200	1200101	NA		NA		NA		45	2200102	410	2200102	810	2200102
108872	Methylcyclohexane	ID	200910	ID	200910	NA		NA		NA		ID	200910	ID	200910	ID	200910
108883	Toluene	5600	1199707	51000	1199707	NA		NA		NA		270	2200510	1300	2200510	2600	2200510
108907	Chlorobenzene	470	1199707	3200	1199707	NA		NA		NA		25	2201109	220	2201109	450	2201109
108952	Phenol	1100	2200310	1200	2200310	NA		NA		NA		450	2200303	3400	2200303	6800	2200303
109739	Butylamine	ID	199805	ID	199805	NA		NA		NA		57	2199805	510	2199805	1000	2199805
109897	Diethylamine	310	1199712	24000	1199712	NA		NA		NA		20	2199807	180	2199807	350	2199807
109999	Tetrahydrofuran	350	2199802	26000	2199802	NA		NA		NA		11000	2199806	74000	2199806	150000	2199806
110816	Diethyl disulfide	ID	199710	ID	199710	NA		NA		NA		ID	199710	ID	199710	ID	199710
110827	Cyclohexane	ID	200607	ID	200607	NA		NA		NA		ID	200607	ID	200607	ID	200607
111444	Bis(2-chloroethyl)ether #	ID*	200012	ID*	200012	NA		0.79	2200012	15	2200012	ID*	200012	ID	200012	ID	200012
111466	Diethylene glycol	170000	1199708	14000000	1199708	NA		NA		NA		ID	199801	ID	199801	ID	199801
111922	Dibutylamine	ID	199712	ID	199712	NA		NA		NA		ID	199802	ID	199802	ID	199802
112265	1,2-Bis(2-chloroethoxy)ethane	ID	200012	ID	200012	NA		NA		NA		1500	2200012	13000	2200012	26000	2200012
115297	Endosulfan	85	1200103	170	1200103	NA		NA		NA		0.029	2200107	0.13	1200107	0.27	1200107
117817	Bis(2-ethylhexyl)phthalate #	120	1199711	160	1199711	NA		25	1199711	32	1199711	ID*	199809	285	2199809	285	2199809
117840	Di-n-octyl phthalate	240	2199902	300	2199902	NA		NA		NA		ID	199808	ID	199808	ID	199808
118741	Hexachlorobenzene # @	0.046	1199707	0.046	1199707	0.0003	1199704	0.00045	1199707	0.00045	1199707	ID*	199801	ID	199801	ID	199801
120127	Anthracene	1900	2199901	2400	2199901	NA		NA		NA		ID	200407	ID	200407	ID	200407
120821	1,2,4-Trichlorobenzene	80	1201002	99	1201002	NA		NA		NA		130	2201006	420	2201006	850	2201006
120832	2,4-Dichlorophenol	220	1200609	1100	1200609	NA		NA		NA		11	2200807	92	2200807	180	2200807
120956	2,4-Di-tert-pentylphenol	ID	199712	ID	199712	NA		NA		NA		NLS		NLS		NLS	
121448	Triethylamine	4000	1199708	230000	1199708	NA		NA		NA		260	2199710	1100	2199710	2100	2199710
121824	RDX #	83	1199908	6100	1199908	NA		5.8	1199908	420	1199908	85	2199908	400	2199908	790	2199908
122349	Simazine	140	1200604	4000	1200604	NA		NA		NA		17	2200604	160	2200604	310	2200604
123911	1,4-Dioxane #	4000	1199806	32000	1199806	NA		34	1199806	2800	1199806	22000	2199806	200000	2199806	390000	2199806
124174	Diethylene glycol butyl ether acetate	330	1200501	13000	1200501	NA		NA		NA		260	2200501	2300	2200501	4600	2200501
124481	Dibromochloromethane #	570	1200911	12000	1200911	NA		6.8	1200911	150	1200911	ID	200911	ID	200911	ID	200911
126727	Tris(2,3-dibromopropyl)phosphate #	ID*	200908	ID*	200908	NA		0.31	1200908	13	1200908	ID	200908	ID	200908	ID	200908
126863	2,4,7,9-Tetramethyl-5-decyne-4,7-diol	ID	200112	ID	200112	NA		NA		NA		350	2200410	3100	2200410	6200	2200410
127184	Tetrachloroethylene #	320	1199705	1800	1199705	NA		11	1199705	60	1199705	190	2200405	1400	2200405	2900	2200405
127195	N,N-dimethylacetamide	700	1199711	57000	1199711	NA		NA		NA		4100	2199709	37000	2199709	74000	2199709
128370	4-Methyl-2,6-di-T-butylphenol #	3	2199805	3	2199805	NA		0.25	2199805	0.25	2199805	ID	199803	ID	199803	ID	199803
129000	Pyrene	15	2199807	15	2199807	NA		NA		NA		ID	200106	ID	200106	ID	200106
132649	Dibenzofuran #	ID*	199902	ID*	199902	NA		NA		NA		4	2199902	36	2199902	72	2199902
135988	sec-Butylbenzene	ID	200011	ID	200011	NA		NA		NA		ID	201007	ID	201007	ID	201007
140669	Octylphenol	NLS		NLS		NA		NA		NA		2	2199708	13	2199708	26	2199708
140807	N,N-diethyl-1,4-pentanediamine	ID	199807	ID	199807	NA		NA		NA		ID	199801	ID	199801	ID	199801
144627	Oxalic acid	4500	1199906	360000	1199906	NA		NA		NA		250	2200008	2300	2200008	4600	2200008
149735	Trimethylorthoformate	ID	199710	ID	199710	NA		NA		NA		ID	199709	ID	199709	ID	199709

CAS #	PARAMETER NAME	HNV		HNV		WV		HCV		HCV		FCV		AMV		FAV	
		Drink		Non-drink				Drink		Non-drink							
		Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date	Value	verif date
156592	cis-1,2-Dichloroethylene	880	1200809	36000	1200809	NA		NA		NA		620	2200007	5500	2200007	11000	2200007
156605	trans-1,2-Dichloroethylene	470	1200809	19000	1200809	NA		NA		NA		1500	2200007	14000	2200007	28000	2200007
191242	Benzo(g,h,i)perylene	ID	201009	ID	201009	NA		NA		NA		ID	201006	ID	201006	ID	201006
193395	Indeno (1.2,3-cd) pyrene #	NLS		NLS		NA		NLS		NLS		ID	199712	ID	199712	ID	199712
205992	Benzo(b)fluoranthene #	NLS		NLS		NA		NLS		NLS		ID	199712	ID	199712	ID	199712
206440	Fluoranthene	18	2199901	18	2199901	NA		NA		NA		1.6	2199806	14	2199806	28	2199806
208968	Acenaphthylene	ID	199803	ID	199803	NA		NA		NA		ID	200407	ID	200407	ID	200407
218019	Chrysene #	ID	199903	ID	199903	NA		ID	199903	ID	199903	ID	200106	ID	200106	ID	200106
288324	Imidazole	ID	201003	ID	201003	NA		NA		NA		ID	201003	ID	201003	ID	201003
309002	Aldrin #	0.00012	1200011	0.00012	1200011	NA		0.000087	1200011	0.000087	1200011	0.017	2200011	0.15	2200011	0.3	2200011
319846	alpha-Hexachlorocyclohexane #	19	1200910	21	1200910	ID*	200910	0.016	1200910	0.017	1200910	ID	200910	ID	200910	ID	200910
319857	beta-Hexachlorocyclohexane # @	0.091	1200011	0.098	1200011	ID*	200011	0.024	2200011	0.026	2200011	ID	200011	ID	200011	ID	200011
319868	delta-Hexachlorocyclohexane @	ID	200011	ID	200011	ID	200011	NA		NA		ID	200011	ID	200011	ID	200011
333415	Diazinon	12	1200408	37	1200408	NA		NA		NA		0.004	2200410	0.064	2200410	0.13	2200410
335671	Perfluorooctanoic acid	0.42	1201105	12	1201105	NA		NA		NA		880	2201007	7700	2201007	15000	2201007
495487	Azoxybenzene	ID	199811	ID	199811	NA		NA		NA		ID	199812	ID	199812	ID	199812
526738	1,2,3-Trimethylbenzene	290	1200609	650	1200609	NA		NA		NA		ID	200609	ID	200609	ID	200609
526750	2,3-Dimethylphenol	ID	201109	ID	201109	NA		NA		NA		120	2201108	1100	2201108	2200	2201108
540590	1,2-Dichloroethylene	ID	199902	ID	199902	NA		NA		NA		1100	2200007	9600	2200007	19000	2200007
541731	1,3-Dichlorobenzene	37	2200309	65	2200309	NA		NA		NA		28	2200309	100	2200309	200	2200309
542756	1,3-Dichloropropylene #	930	1200709	39000	1200709	NA		3.3	1200709	140	1200709	9.0	2200708	81	2200708	160	2200708
575371	1,7-Dimethylnaphthalene	ID	200007	ID	200007	NA		NA		NA		ID	200007	ID	200007	ID	200007
585342	3-tert-Butylphenol	ID	200210	ID	200210	NA		NA		NA		29	2200212	260	2200212	530	2200212
591786	2-Hexanone	9700	1200409	630000	1200409	NA		NA		NA		ID	200409	ID	200409	ID	200409
594207	2,2-Dichloropropane	ID	199803	ID	199803	NA		NA		NA		ID	199802	ID	199802	ID	199802
608935	Pentachlorobenzene # @	0.38	1200206	0.38	1200206	0.019	1200206	NA		NA		1.2	2200206	11	2200206	21	2200206
611443	2-Ethyltoluene	ID	200109	ID	200109	NA		NA		NA		ID	200109	ID	200109	ID	200109
618451	3-Isopropylphenol	ID	200212	ID	200212	NA		NA		NA		26	2200212	240	2200212	470	2200212
620144	3-Ethyltoluene	ID	200109	ID	200109	NA		NA		NA		ID	200109	ID	200109	ID	200109
620235	m-Tolualdehyde	ID*	201109	ID*	201109	NA		NA		NA		34	2201108	310	2201108	620	2201108
624920	Dimethyl disulfide	480	2199707	20000	2199707	NA		NA		NA		ID	199709	ID	199709	ID	199709
625456	Methoxyacetic acid	ID	200102	ID	200102	NA		NA		NA		270	2200008	2400	2200008	4800	2200008
625503	N-ethyl acetamide	ID	199807	ID	199807	NA		NA		NA		ID	199710	ID	199710	ID	199710
630206	1,1,1,3-Tetrachloroethane #	680	1200203	3500	1200203	NA		19	1200203	100	1200203	ID	200203	ID	200203	ID	200203
632224	1,1,3,3-Tetramethylurea	ID	200605	ID	200605	NA		NA		NA		ID	200605	ID	200605	ID	200605
634662	1,2,3,4-Tetrachlorobenzene @	3.9	1201006	4.1	1201006	ID	201006	NA		NA		3.4	2201007	18	2201007	35	2201007
637923	Ethyl tert-butyl ether	2500	1200703	130000	1200703	NA		NA		NA		ID	200609	ID	200609	ID	200609
685916	Diethylacetamide	ID	199707	ID	199707	NA		NA		NA		ID	199710	ID	199710	ID	199710
706785	Octachlorocyclopentene	ID	199903	ID	199903	NA		NA		NA		ID	199904	ID	199904	ID	199904
792745	Dimethyl 4,4'-biphenylcarboxylate	ID	200910	ID	200910	NA		NA		NA		ID	200910	ID	200910	ID	200910
872504	N-Methyl pyrrolidone	25000	1200402	2000000	1200402	NA		NA		NA		ID	200402	ID	200402	ID	200402
927628	N,N-dimethyl-1-butamine	ID	199805	ID	199805	NA		NA		NA		ID	199803	ID	199803	ID	199803
950107	Mephosfolan	2.5	1200103	170	1200103	NA		NA		NA		0.37	2200112	3.3	2200112	6.6	2200112
1024573	Heptachlor epoxide #	0.0075	2200008	0.0076	2200008	NA		0.0021	2200008	0.0021	2200008	ID	200008	ID	200008	ID	200008
1330207	Xylene	3800	1201009	16000	1201009	NA		NA		NA		41	2200509	370	2200509	730	2200509
1336363	PCB # @	NLS		NLS		0.00012	1199707	0.000026	1199707	0.000026	1199707	ID*	199706	ID	199706	ID	199706
1634044	Methyl tert butyl ether (MTBE) #	920	1200809	63000	1200809	NA		100	1200809	7100	1200809	32000	2200808	210000	2200808	420000	2200808
1702176	3,6-Dichloropicolinic acid	4100	1199806	200000	1199806	NA		NA		NA		ID	199809	ID	199809	ID	199809
1746016	2,3,7,8-TCDD # @	6.7E-08	1199707	6.7E-08	1199707	3.1E-09	1199707	8.6E-09	1199707	8.6E-09	1199707	ID*	199709	ID*	199709	ID*	199709
1912249	Atrazine	880	1200309	8600	1200309	NA		NA		NA		7.3	2199712	50	2199712	100	2199712
1918021	Picloram	5500	1200301	180000	1200301	NA		NA		NA		46	2200301	290	2200301	570	2200301
2385855	Mirex # @	ID*	199904	ID*	199904	0.000016	1199904	0.000042	1199904	0.000042	1199904	ID*	199905	ID	199905	ID	199905
2691410	HMX	1400	1199908	110000	1199908	NA		NA		NA		250	2199908	2300	2199908	4600	2199908
2764729	Diquat	61	1200212	4900	1200212	NA		NA		NA		6.0	2201107	54	2201107	110	2201107
2921882	Chlorpyrifos	*		*		NA		NA		NA		0.002	2200301	0.027	1200301	0.053	1200301
3383968	Temephos	NLS		NLS		NA		NA		NA		0.000075	2201111	0.00067	2201111	0.0013	2201111
4684940	6-Chloropicolinic acid	410	1199806	22000	1199806	NA		NA		NA		26	2199809	230	2199809	460	2199809
4860031	1-Chlorohexadecane	ID	200007	ID	200007	NA		NA		NA		ID	200007	ID	200007	ID	200007
7439921	Lead	14	1200709	190	1200709	NA		NA		NA		(EXP(0.9859*(LnH)-1.270))*CFc ¹⁰	2201011	(EXP(0.9859*(LnH)+0.2972))*CFc ¹⁰	1201011	(EXP(0.9859*(LnH)+0.9904))*CFc ¹⁰	1201011
7439932	Lithium	720	2200602	58000	2200602	NA		NA		NA		440	2200806	910	2200806	1800	2200806
7439965	Manganese	1300	1200612	59000	1200612	NA		NA		NA		EXP(0.8784(lnH)+3.5199)	1200110	EXP(0.8784(lnH)+4.2889)	1200110	EXP(0.8784(lnH)+4.9820)	1200110
7439976	Mercury @	0.0018	1199707	0.0018	1199707	0.0013	1199707	0.77 ¹⁰	1199707	0.77 ¹⁰	1199707	1.4 ¹⁰	1199707	2.8 ¹⁰	1199707	2.8 ¹⁰	1199707
7439987	Molybdenum	120	1200605	10000	1200605	NA		NA		NA		3200	2200604	29000	2200604	58000	2200604

CAS #	PARAMETER NAME	HNV		HNV		WV		HCV		HCV		FCV	verif date	AMV		FAV		verif date		
		Drink		Non-drink		Value	verif date	Drink		Non-drink				Value	verif date	Value	verif date		Value	verif date
		Value	verif date	Value	verif date			Value	verif date	Value	verif date									
7440020	Nickel	2600	1199706	210000	1199706	NA		NA		NA		(EXP(0.846*(LnH)+0.0584))*0.997 ^D	1199707	(EXP(0.846*(LnH)+2.255))*0.998 ^D	1199707	(EXP(0.846*(LnH)+2.255))*0.998*2 ^D	1199707			
7440224	Silver	130	1199705	11000	1199705	NA		NA		NA		0.06	1199710	0.54	1199710	1.1	1199710			
7440246	Strontium	ID*	199808	ID*	199808	NA		NA		NA		21000	2200806	40000	1200806	81000	1200806			
7440280	Thallium	1.2	1200501	3.7	1200501	NA		NA		NA		7.2	2200508	47	2200508	94	2200508			
7440326	Titanium	NLS		NLS		NA		NA		NA		ID	200205	ID	200205	ID	200205			
7440360	Antimony	1.7	1199807	130	1199807	NA		NA		NA		240	2200106	1100	2200106	2300	2200106			
7440382	Arsenic #	10	1201009	280	1201009	NA		NA		NA		150	1199707	340	1199707	680	1199707			
7440393	Barium	1900	1199705	160000	1199705	NA		NA		NA		EXP(1.0629*(lnH)+1.1869)	2200905	EXP(1.0629*(lnH)+2.2354)	2200905	EXP(1.0629*(lnH)+2.9285)	2200905			
7440417	Beryllium	160	1199704	1200	1199704	NA		NA		NA		EXP(2.5279*(LnH)-10.7689)	2199709	EXP(2.5279*(LnH)-8.572)	2199709	EXP(2.5279*(LnH)-7.8785)	2199709			
7440428	Boron	1900	1199711	160000	1199711	NA		NA		NA		5000	2200707	28000	1200707	55000	1200707			
7440439	Cadmium	2.5	1199706	130	1199706	NA		NA		NA		(EXP(0.7852*(LnH)-2.715))*CFa ^D	1199707	(EXP(1.128*(LnH)-3.6867))*CFa ^D	1199707	(EXP(1.128*(LnH)-3.6867))*CFa*2 ^D	1199707			
7440473	Chromium	120	1199706	9400	1199706	NA		NA		NA		(EXP(0.819*(LnH)+0.6848))*0.86 ^D	1199707	(EXP(0.819*(LnH)+3.7256))*0.316 ^D	1199707	(EXP(0.819*(LnH)+3.7256))*0.316*2 ^D	1199707			
7440484	Cobalt	ID*	199807	ID*	199807	NA		NA		NA		100	2199804	370	2199804	740	2199804			
7440508	Copper	470	1200512	38000	1200512	NA		NA		NA		(EXP(0.8545*(LnH)-1.702))*0.96 ^D	1199707	(EXP(0.9422*(LnH)-1.7))*0.96*2 ^D	1199707	(EXP(0.9422*(LnH)-1.7))*0.96*2 ^D	1199707			
7440622	Vanadium	53	1200907	540	1200907	NA		NA		NA		27	2201104	79	2201104	160	2201104			
7440666	Zinc	3300	1200510	16000	1200510	NA		NA		NA		(EXP(0.8473*(LnH)+0.884))*0.986 ^D	1199707	(EXP(0.8473*(LnH)+0.884))*0.978 ^D	1199707	(EXP(0.8473*(LnH)+0.884))*0.978*2 ^D	1199707			
7664417	Ammonia, unionized coldwater	ID*	199711	ID*	199711	NA		NA		NA		29	1199710	160	1199710	320	1199710			
7664417.1	Ammonia, unionized warmwater	ID*	199711	ID*	199711	NA		NA		NA		53	1199710	210	1199710	420	1199710			
7722647	Potassium permanganate	NLS		NLS		NA		NA		NA		*	2200308	29	2200308	58	2200308			
7722841	Hydrogen peroxide	ID*	199903	ID*	199903	NA		NA		NA		10	2200906	92	2200906	180	2200906			
7726956	Bronjine	ID*	199903	ID*	199903	NA		NA		NA		0.26	2200911	2.4	2200911	4.8	2200911			
7782492	Selenium & inorganic salts	120	1199704	2700	1199704	NA		NA		NA		5	1199707	62	1199808	120	1199808			
7782505	Chlorine	NLS		NLS		NA		NA		NA		*	1199709	19	1199709	38	1199709			
7783064	Hydrogen sulfide	160	1200401	13000	1200401	NA		NA		NA		0.36	2200812	3.2	1200812	6.4	1200812			
8001352	Toxaphene # @	0.021	1199710	0.021	1199710	0.00014	1199710	0.000068	1199707	0.000068	1199707	0.005	2199706	0.15	2199706	0.3	2199706			
10028156	Ozone	NLS		NLS		NA		NLS		NLS		0.065	2200112	0.58	2200112	1.2	2200112			
10061026	cis -1,3-Dichloropropylene #	930	1200709	39000	1200709	NA		3.3	1200709	140	1200709	9.0	2200708	81	1200708	160	1200708			
10061015	trans -1,3-Dichloropropylene #	930	1200709	39000	1200709	NA		3.3	1200709	140	1200709	9.0	2200708	81	1200708	160	1200708			
10222012	DBNPA	ID*	199804	ID*	199804	NA		NA		NA		7.8	2199804	71	2199804	140	2199804			
14797558	Nitrate	10000	1200309	NLS		NA		NA		NA		NLS		NLS		NLS				
14797730	Perchlorate	19	1200905	1600	1200905	NA		NA		NA		NLS		NLS		NLS				
14998277	Chlorite	830	1200601	67000	1200601	NA		NA		NA		0.72	2200601	6.5	1200601	13	1200601			
15972608	Alachlor #	270	1199802	6900	1199802	NA		3.5	1199802	91	1199802	11	2199803	150	2199803	300	2199803			
15541454	Bromate #	100	1200505	8200	1200505	NA		0.5	1200505	40	1200505	760	2200505	6900	2200505	14000	2200505			
16984488	Fluoride	NLS		NLS		NA		NA		NA		430	2201108	1600	2201108	3100	2201108			
18540299	Chromium, hexavalent	120	1199706	9400	1199706	NA		NA		NA		11 ^D	1199707	16 ^D	1199707	32 ^D	1199707			
21725462	Cyanazine #	190	1199805	12000	1199805	NA		0.93	1199805	56	1199805	110	2199804	1000	2199804	2000	2199804			
25154523	n-Nonylphenol (mixed isomers)	NLS		NLS		NA		NA		NA		2	1199902	7	1199902	14	1199902			
26628228	Sodium azide	330	2200307	27000	2200307	NA		NA		NA		7.3	2200306	65	2200306	130	2200306			
38836394	N-(1-methylpropylidene)-2-propanamine	ID	199805	ID	199805	NA		NA		NA		ID	199803	ID	199803	ID	199803			
40360449	3,5,6-Trichloropicolinic acid	ID	199809	ID	199809	NA		NA		NA		ID	199805	ID	199805	ID	199805			
40596698	Methoprene	21	2200401	21	2200401	NA		NA		NA		2.9	2200401	26	2200401	51	2200401			
51207319	Tetrachlorodibenzofuran, 2,3,7,8-	NLS		NLS		NA		NA		NA		ID	199706	ID	199706	ID	199706			
51218452	Metolachlor	3300	1200603	14000	1200603	NA		78	1200603	340	1200603	15	2200604	110	2200604	210	2200604			
59756604	Fluridone	2200	1200212	80000	1200212	NA		NA		NA		1	2200304	3	2200304	250	2200301			
64741668	Isopar C	ID	200402	ID	200402	NA		NA		NA		1.9	2200402	17	2200402	35	2200402			
67774327	PBB #	0.00031	1199904	0.00031	1199904	NA		0.00013	1199904	0.00013	1199904	NLS		NLS		NLS				
84852153	4-Nonylphenol	130	2199811	200	2199811	NA		NA		NA		ID	199902	ID	199902	ID	199902			
168316958	Spinosad	620	1200505	7500	1200505	NA		NA		NA		60	2200507	540	2200507	1100	2200507			