2006 Proposed TABLE 3 Compared to NRWQC
Criteria in Water for Specific Toxic Materials
HUMAN HEALTH PROTECTION
(All values are listed or calculated in micrograms per liter)

COMPOUND	TCEQ No.	NRWQC No.	CASR No.	2006 NRWQC Water and Fish	2006 NRWQC Fish Only	2006 TCEQ Water and Fish (recommended)	2006 TCEQ Fish Only (recommended)	2006 TCEQ Water Only (recommended)
Acrylonitrile	1	18 P	107-13-1	0.051	0.25	0.51	2.47	0.65
Aldrin	2	102 P	309-00-2	0.000049	0.000050	0.00094	0.00096	0.039
Arsenic (d)	3	2 P	7440-38-2	0.018	0.14	10*	---	10*
Barium (d)	4	6 NP	7440-39-3	1,000	-	2,000*	---	2,000*
Benzene	5	19 P	71-43-2	2.2	51	5*	513	5*
Benzidine	6	59 P	92-87-5	0.000086	0.00020	0.00086	0.00199	0.00152
Benzo(a)anthracene	7	60 P	56-55-3	0.0038	0.018	0.038	0.18	0.048
Benzo(a)pyrene	8	61 P	50-32-8	0.0038	0.018	0.038	0.18	0.048
Bis(chloromethyl)ether	9	15 NP	542-88-1	0.00010	0.00029	0.0024	0.44	0.0024
Bromodichloromethane	10	27P	75-27-4	0.55	17	5.47	172	5.65
Bromoform	11	20P	75-25-2	4.3	140	42.9	1,350	44.3
Cadmium (d)	12	4 P	7440-43-9	-	-	5*	---	5*
Carbon Tetrachloride	13	21 P	56-23-5	0.23	1.6	2.31	16.4	2.69

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COMPOUND	TCEQ No.	NRWQC No.	CASR No.	2006 NRWQC Water and Fish	2006 NRWQC Fish Only	2006 TCEQ Water and Fish (recommended)	2006 TCEQ Fish Only (recommended)	2006 TCEQ Water Only (recommended)
Chlordane	14	107 P	57-74-9	0.00080	0.00081	0.0080	0.0081	1.0
Chlorobenzene	15	22 P	108-90-7	130	1,600	100**	1,553	100**
Chloroform	16	26 P	67-66-3	5.7	470	86.4	2,719	89.2
Chromium (d)	17	5b P	18540-29-9	-	-	92.1	750	100*
Chrysene	18	73 P	218-01-9	0.0038	0.018	0.038	0.18	0.048
Cresols	19	-	§	-	-	1,100	2,959	1,750
Cyanide (free)#	20	14 P	57-12-5	140	140	139	16,000	140
4,4' - DDD	21	110 P	72-54-8	0.00031	0.00031	0.0059	0.0059	2.78
4,4' - DDE	22	109 P	72-55-9	0.00022	0.00022	0.0042	0.0042	1.96
4,4' - DDT	23	108 P	50-29-3	0.00022	0.00022	0.0042	0.0042	1.96
2,4 - D	24	11 NP	94-75-7	100	-	69.4	---	70
Danitol	25	-	39515-41-8	-	-	0.16	0.16	17.5
Dibromochloromethane	26	23 P	124-48-1	0.40	13	4.0	127	4.2
1,2 - Dibromoethane	27	-	106-93-4	-	-	0.0057	0.076	0.0062
1,2 - Dichloroethane	28	29 P	107-06-2	0.38	37	5*	553	5*
1,3 - Dichloropropene	29	32 P	542-75-6	0.34	21	3.4	211	3.5

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COMPOUND	TCEQ No.	NRWQC No.	CASR No.	2006 NRWQC Water and Fish	2006 NRWQC Fish Only	2006 TCEQ Water and Fish (recommended)	2006 TCEQ Fish Only (recommended)	2006 TCEQ Water Only (recommended)
Dieldrin	30	111 P	60-57-1	0.000052	0.000054	0.0010	0.0010	0.042
p-Dichlorobenzene	31	77 P	106-46-7	63	190	63	193	75*
1,1 - Dichloroethylene	32	30 P	75-35-4	330	7,100	7*	7,143	7*
Dicofol	33	-	115-32-2	-	-	0.049	0.049	10.4
Dioxins and dioxin-like compounds (TCDD Equivalents)			1746-01-6	5.0E-9	5.1E-9	3E-8*	5.13E-8	3E-8*
Congener/Isomer	Toxic Equivalency Factors							

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COMPOUND	TCEQ No.	NRWQC No.	CASR No.	2006 NRWQC Water and Fish	2006 NRWQC Fish Only	2006 TCEQ Water and Fish (recommended)	2006 TCEQ Fish Only (recommended)	2006 TCEQ Water Only (recommended)
Dioxins								
2,3,7,8 TCDD	1							
1,2,3,7,8, PeCDD	1							
2,3,7,8,HxCDD's	0.1							
Furans								
2,3,7,8 TCDF	0.1							
1,2,3,7,8 PeCDF	0.05							
2,3,4,7,8 PeCDF	0.5							
2,3,7,8 HxCDF's	0.1							
PCBs								
3,3',4,4',5 PeCB	0.1							
Endrin	35	115 P	72-20-8	0.059	0.060	0.059	0.060	2*
Fluoride	36	-	7782-41-4	-	-	4,000*	---	4,000*
Heptachlor	37	117 P	76-44-8	0.000079	0.000079	0.00150	0.00151	0.15
Heptachlor Epoxide	38	118 P	1024-57-3	0.000039	0.000039	0.00074	0.00075	0.073
Hexachlorobenzene	39	88 P	118-74-1	0.00028	0.00029	0.0044	0.0045	0.34
Hexachlorobutadiene	40	89 P	87-68-3	0.44	18	6.53	275	6.69

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COMPOUND	TCEQ No.	NRWQC No.	CASR No.	2006 NRWQC Water and Fish	2006 NRWQC Fish Only	2006 TCEQ Water and Fish (recommended)	2006 TCEQ Fish Only (recommended)	2006 TCEQ Water Only (recommended)
Hexachlorocyclohexane (alpha)	41	103 P	319-84-6	0.0026	0.0049	0.050	0.093	0.11
Hexachlorocyclohexane (beta)	42	104 P	319-85-7	0.0091	0.017	0.17	0.33	0.37
Hexachlorocyclohexane (gamma) (Lindane)	43	105 P	58-89-9	0.98	1.8	0.2*	1.85	0.2*
Hexachloroethane	44	91 P	67-72-1	1.4	3.3	27.1	62.7	47.7
Hexachlorophene	45	-	70-30-4	-	-	0.012	0.012	10.5
Lead (d)	46	7 P	7439-92-1	-	-	1.71	5.71	2.45
Mercury ‡	47	8a P	7439-97-6	-	0.3 mg/kg	0.0122	0.0122	0.0122
Methoxychlor	48	23 NP	72-43-5	100	-	0.50	0.50	40*
Methyl Ethyl Ketone	49	-	78-93-3	-	-	20,805	2.24E6	21,000
Nitrate-Nitrogen as total Nitrogen	50	25 NP	14797-55-8	10,000[1]	-	10,000*	---	10,000*
Nitrobenzene	51	95 P	98-95-3	17	690	17.1	692	17.5
N-Nitrosodiethylamine	52	30 NP	55-18-5	0.0008	1.24	0.0080	4.60	0.0081
N-Nitroso-di-*n*-Butylamine	53	29 NP	924-16-3	0.0063	0.22	0.063	2.18	0.064

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COMPOUND	TCEQ No.	NRWQC No.	CASR No.	2006 NRWQC Water and Fish	2006 NRWQC Fish Only	2006 TCEQ Water and Fish (recommended)	2006 TCEQ Fish Only (recommended)	2006 TCEQ Water Only (recommended)
PCB's (Polychlorinated Biphenyls)	54	119 P	1336-36-3	0.000064	0.000064	0.00064	0.00064	0.175
Pentachlorobenzene	55	36 NP	608-93-5	1.4	1.5	1.43	1.51	28
Pentachlorophenol	56	53 P	87-86-5	0.27	3.0	1.0*	30.3	1.0*
Pyridine	57	-	110-86-1	-	-	34.6	3,008	35
Selenium	58	10 P	7782-49-2	170	4200	50*	---	50*
1,2,4,5 - Tetrachlorobenzene	59	45 NP	95-94-3	0.97	1.1	0.97	1.07	10.5
Tetrachloroethylene	60	38 P	127-18-4	0.69	3.3	5*	32.8	5*
Toxaphene	61	120 P	8001-35-2	0.00028	0.00028	0.0028	0.0028	0.32
2,4,5 - TP (Silvex)	62	10 NP	93-72-1	10	-	2.18	2.27	50*
1,1,1 - Trichloroethane	63	41 P	71-55-6	-	-	200*	---	200*
Trichloroethylene	64	43 P	79-01-6	2.5	30	5*	299	5*
2,4,5 - Trichlorophenol	65	47 NP	95-95-4	1,800	3,600	1,783	3,636	3,500
TTHM (sum of total trihalomethanes)	66	-				100*	---	100*
Vinyl Chloride	67	44P	75-01-4	0.025	2.4	0.25	24.4	0.25

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* Based on Maximum Contaminant Levels (MCL's) specified in 30 TAC §290 (relating to Water Hygiene).

** Based on EPA's Maximum Contaminant Levels (MCLs) not found in 30 TAC §290.

‡ Calculations based on USFDA action levels (1 mg/kg) in fish tissue. Saltwater BCF = 40,000 and freshwater BCF = 81,700.

§ Consists of m, o, and *p* Cresols. The standards are the same for all three. CASRNs for cresols are 95-48-7 for o-Cresol, 108-39-4 for m-Cresol, and 106-44-5 for *p*-Cresol.

Compliance will be determined using the analytical method for cyanide amenable to chlorination or weak-acid dissociable cyanide.

(d) Indicates the criteria is for the dissolved fraction in water. All other criteria are for total recoverable concentrations.

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