

COMMUNITY PUBLIC WATER SYSTEM

REGULATED SYNTHETIC ORGANIC CHEMICALS (SOCs) 40 CFR 141.24 (e) & 141.61 (c), Federal Register Vol. 76, No. 122 and Vol. 77, No. 125

PHASE II					
Contaminant			Approved Methods	MCL (mg/L) parts per million	MCL (µg/L) parts per billion
(1)	2051	ALACHLOR (LASSO)	505, 507, 508.1, 525.2, 525.3, 551.1	0.002	2
(2)	2050	ATRAZINE	505, 507, 508.1, 523, 525.2, 525.3, 536, 551.1, Syngenta ⁵ AG-625	0.003	3
(3)	2046	CARBOFURAN	531.1, 531.2, 6610, 6610B	0.04	40
(4)	2959	CHLORDANE	505, 508, 508.1, 525.2, 525.3	0.002	2
(5)	2931	DIBROMOCHLOROPROPANE (DBCP, 1,2-Dibromo-3-Chloropropane)	504.1, 524.3, 551.1	0.0002	0.2
(6)	2946	ETHYLENE DIBROMIDE (EDB or Dibromoethane)	504.1, 524.3, 551.1	0.00005	0.05
(7)	2065	HEPTACHLOR	505, 508, 508.1, 525.2, 525.3, 551.1	0.0004	0.4
(8)	2067	HEPTACHLOR EPOXIDE	505, 508, 508.1, 525.2, 525.3, 551.1	0.0002	0.2
(9)	2010	LINDANE (BHC-GAMMA)	505, 508, 508.1, 525.2, 525.3, 551.1	0.0002	0.2
(10)	2015	METHOXYCHLOR	505, 508, 508.1, 525.2, 525.3, 551.1	0.04	40
(11)	2383	POLYCHLORINATED BIPHENYLS (as AROCLORS) – regulated as decachlorobiphenyl	505, 508, 508.1, 525.2, 525.3	0.0005	0.5
(11a)	2383	POLYCHLORINATED BIPHENYLS (as decachlorobiphenyl) 2388, 2390, 2392, 2394, 2396, 2398, 2400	508A is used to quantitate individual Aroclors detected using 505 or 508.	0.0005	0.5
(12)	2326	PENTACHLOROPHENOL	515.1, 515.2, 515.3, 515.4, 525.2, 525.3, 555, 6640B	0.001	1
(13)	2020	TOXAPHENE	505, 508, 508.1, 525.2, 525.3,	0.003	3
(14)	2105	2,4-D	515.1, 515.2, 515.3, 515.4, 555, D5317-93/98, 6640B	0.07	70
(15)	2110	2,4,5-TP (Silvex)	515.2, 555, 515.1, 515.3, 515.4, D5317-93/98, 6640B	0.05	50
PHASE V					
(1)	2306	BENZO(a)PYRENE	525.2, 525.3, 550, 50.1	0.0002	0.2
(2)	2031	DALAPON	552.1, 552.2, 552.3, 515.1, 515.3, 515.4, 557, 6640B	0.2	200
(3)	2035	DI(2-ETHYLHEXYL)ADIPATE	506, 525.2, 525.3	0.4	400
(4)	2039	DI(2-ETHYLHEXYL)PHTHALATE	506, 525.2, 525.3	0.006	6
(5)	2041	DINOSEB	515.2, 555, 515.1, 515.3, 515.4, 6640B	0.007	7
(6)	2032	DIQUAT	549.2	0.02	20
(7)	2033	ENDOTHALL	548.1	0.1	100
(8)	2005	ENDRIN	505, 508, 508.1, 525.2, 525.3, 551.1	0.002	2
(9)	2034	GLYPHOSATE	547, 6651, 6651B	0.7	700
(10)	2274	HEXACHLOROBENZENE	505, 508, 508.1, 525.2, 525.3, 551.1	0.001	1
(11)	2042	HEXACHLOROCYCLOPENTA-DIENE	505, 508, 508.1, 525.2, 525.3, 551.1	0.05	50
(12)	2036	OXYMAL (VYDATE)	531.1, 531.2, 6610, 6610B	0.2	200
(13)	2040	PICLORAM (PICHLORAM)	515.2, 515.1, 515.3, 515.4, 555, D5317-93/98, 6640B	0.5	500
(14)	2037	SIMAZINE	505, 507, 508.1, 523, 525.2, 525.3, 536, 551.1	0.004	4
(15)	2063	2,3,7,8-TCDD (DIOXIN)	1613	3 x 10 ⁻⁸	

REGULATED VOLATILE ORGANIC CHEMICALS (VOCs)
40 CFR 141.24 (e) & 141.61 (c),
Federal Register Vol. 74, No. 147, Vol. 76, No. 122 and Vol. 77, No. 125

PHASE I AND II

	Contaminant	Approved Methods	MCL (mg/L) parts per million	MCL (µg/L) parts per billion
(1)	2990 BENZENE	502.2, 524.2, 524.3	0.005	5
(2)	2982 CARBON TETRACHLORIDE	502.2, 524.2, 524.3, 551.1	0.005	5
(3)	2989 CHLOROBENZENE (MONOCHLOROBENZENE)	502.2, 524.2, 524.3	0.1	100
(4)	2968 1,2-DICHLOROBENZENE (ortho-)	502.2, 524.2, 524.3	0.6	600
(5)	2969 1,4-DICHLOROBENZENE (para-)	502.2, 524.2, 524.3	0.075	75
(6)	2980 1,2-DICHLOROETHANE	502.2, 524.2, 524.3	0.005	5
(7)	2978 1,1-DICHLOROETHYLENE (DICHLOROETHENE)	502.2, 524.2, 524.3	0.007	7
(8)	2380 CIS-1,2-DICHLOROETHYLENE (CIS- 1,2-DICHLOROETHENE)	502.2, 524.2, 524.3	0.07	70
(9)	2979 TRANS-1,2-DICHLOROETHYLENE (TRANS-1,2-DICHLOROETHENE)	502.2, 524.2, 524.3	0.1	100
(10)	2983 1,2-DICHLOROPROPANE	502.2, 524.2, 524.3	0.005	5
(11)	2992 ETHYLBENZENE	502.2, 524.2, 524.3	0.7	700
(12)	2996 STYRENE	502.2, 524.2, 524.3	0.1	100
(13)	2987 TETRACHLOROETHYLENE (PCE) (TETRACHLOROETHENE)	502.2, 524.2, 524.3, 551.1	0.005	5
(14)	2991 TOLUENE	502.2, 524.2, 524.3	1	1,000
(15)	2981 1,1,1-TRICHLOROETHANE	502.2, 524.2, 524.3, 551.1	0.2	200
(16)	2984 TRICHLOROETHYLENE (TCE) (TRICHLOROETHENE)	502.2, 524.2, 524.3, 551.1	0.005	5
(17)	2976 VINYL CHLORIDE	502.2, 524.2, 524.3	0.002	2
(18)	2955 XYLENES (TOTAL OF M,P & O)	502.2, 524.2, 524.3	10	10,000

PHASE V

(1)	2964 DICHLOROMETHANE (METHYLENE CHLORIDE)	502.2, 524.2, 524.3	0.005	5
(2)	2378 1,2,4-TRICHLOROBENZENE	502.2, 524.2, 524.3	0.07	70
(3)	2985 1,1,2-TRICHLOROETHANE	502.2, 524.2, 524.3, 551.1	0.005	5

REGULATED INORGANIC CHEMICALS (IOCs)
40 CFR 141.23 (k) & 141.62 (b),
Federal Register Vol. 76, No. 122 and Vol. 77, No. 125

PHASE II

Contaminant		Approved Methods	MCL (mg/L) parts per million	MCL (µg/L) parts per billion
(1)	1025 FLUORIDE	300.0, 300.1, 4110B, 129-71W, 380-75WE, D4327, D1179-B, 4500-F B/C/D/E, Hach SPADNS 2 m. 10225	4	4000
(2)	1010 BARIUM	200.7, 200.8, 3111D, 3113B, 3120B	2	2000
(3)	1015 CADMIUM	200.7, 200.8, 200.9, 3113B	0.005	5
(4)	1020 CHROMIUM	200.7, 200.8, 200.9, 3113B, 3120B, D6919	0.1	100
(5)	1030 LEAD	200.8, 200.9, 3113B, D3559-D, Hach/Palintest 1001	0.015 (Action Level)	
(6)	1035 MERCURY	245.1, 245.2, 200.8, 3112B, D3223	0.002	2
(7)	1045 SELENIUM	200.8, 200.9, 3113B, 3114B, D3859-A, D3859-B	0.05	50
(8)	1040 NITRATE	300.0, 300.1, 353.2, 4110B, 601, B-1011, 4500-NO ₃ ⁻ B/D/E/F, D3867A, D3867-B, D4327, D6508, Systea Easy, Hach TNTplus 835/836 m. 10206	10 (as N)	10000
(9)	1041 NITRITE	300.0, 300.1, 353.2, D4327, D3867-A, D3867-B, 4110B, 4500-NO ₃ ⁻ E/F, B-1011, 4500-NO ₂ ⁻ B, D6508	1 (as N)	1000
(10)	1038 TOTAL NITRATE + NITRITE	See above	10 (as N)	10000
(11)	1094 ASBESTOS	100.1, 100.2	7 Million Fibers/L longer than 10µm	

PHASE V				
Contaminant		Approved Methods	MCL (mg/L) parts per million	MCL (µg/L) parts per billion
(1)	1074 ANTIMONY	200.8, 200.9, 3113B, D3697	0.006	6
(2)	1075 BERYLLIUM	200.7, 200.8, 200.9 3113B, 3120B, D3645-B	0.004	4
(3)	1024 CYANIDE	335.4, D2036-A, D2036-B, D6888, 4500-CN ⁻ C/E/G/F, OIA-1677 DW, I-3300-85, Kelada-01, QuikChem 10-204-00-1-X	0.2	200
(4)	1036 NICKEL	200.7, 200.8, 200.9, 3111B, 3113B, 3120B	N/A	N/A
(5)	1085 THALLIUM	200.8, 200.9	0.002	2

(40 CFR 141.11 (a))

Contaminant		Approved Methods	MCL (mg/L) parts per million	MCL (µg/L) parts per billion
(6)	1005 ARSENIC (January 23, 2006)	200.8, 200.9, D2972-B, D2972-C, 3113B, 3114B	0.010	10

SPECIAL MONITORING (Community systems only)

Contaminant		Approved Methods	MCL(mg/L) parts per million
1052	SODIUM	200.7, 3111B, D6919	N/A

SECONDARY DRINKING WATER STANDARDS NAC 445A.455 & 40 CFR 143.4, , FEDERAL REGISTER VOL. 76, NO. 122 AND VOL. 77, NO. 125		
Contaminant	Approved Methods	MCL(mg/L) parts per million
(1) 1002 ALUMINUM	200.7, 200.8, 200.9, 3111D, 3113B, 3120B	0.2
(2) 1017 CHLORIDE	300.0, 300.1, 4110B, 4500-Cl ⁻ B/D, D4327, D512-B, D6508	400
(3) 1905 COLOR	2120B	15.0 (color units)
(4) 1022 COPPER	200.7, 200.8, 200.9, 3111B, 3113B, 3120B, D1688-A, D1688-C	1
(5) 1025 FLUORIDE	300.0, 300.1, 4110B, 129-71W, 380-75WE, D4327, D1179B, 4500-F ⁻ B/C/D/E, Hach SPADNS 2 m. 10225	2
(6) 1089 FOAMING AGENTS (MBAS) (METHYLENE BLUE ACTIVE SUBSTANCES)	5540C	0.5
(7) 1028 IRON	200.7, 200.9, 3111B, 3113B, 3120B	0.6
(8) 1031 MAGNESIUM	200.7, 3111B, 3120B, D511-A, D511-B, 3500-Mg B/E, D6919	150
(9) 1032 MANGANESE	200.7, 200.8, 200.9, 3111B, 3113B, 3120B	0.1
(10) 1920 ODOR	2150B	3.0 (TON)
(11) 1925 pH	150.1, 150.2, D1293, 4500-H ⁺ B	6.5 – 8.5 (pH units)
(12) 1050 SILVER	200.7, 200.8, 200.9, 3111B, 3113B, 3120B, I-3720-85	0.10
(13) 1055 SULFATE	300.0, 300.1, 375.2, D4327, 4110B, D516, 4500-SO ₄ ²⁻ C/D/E/F, D6508	500
(14) 1930 TOTAL DISSOLVED SOLIDS (TDS)	2540C	1,000
(15) 1095 ZINC	200.7, 200.8, 3111B, 3120B	5

RADIONUCLIDES 40 CFR 141.25 AND 141.66, , Federal Register Vol. 76, No. 122 and Vol. 77, No. 125		
Contaminant	Approved Methods	MCL
4010 Combined Radium-226 and 228		5 picocuries /Liter
4020 Ra ²²⁶	903.0, 903.1, Ra-03, Ra-04, 304, 305, 7500-Ra B/C, D3454, D2460, R-1140-76, R-1141-76	5 picocuries /Liter
4030 Ra ²²⁸	904.0, Ra-05, 7500-Ra D, R-1142-76	5 picocuries /Liter
4000 Gross Alpha particle activity	900.0, 00-01, 00-02, 302, 7110B, 7110C, R-1120-76	15 picocuries /Liter
4109 Gross Beta and photon particle radioactivity (Applicable only to community surface public water systems serving greater than 100,000 persons)	900.0, 00-01, 302, 7110B, R-1120-76	Annual dose equivalent to the human body or any internal organ may not exceed 4 millirems/year
4006 Uranium	200.8, 908.0, 908.1, 00-07, D2907, D5673, D3972, D5174, D6239, 7500-U B/C, 3125, R-1180-76, R-1181-76, R-1182-76, U-02, U-04	30 (µg/L)

TOTAL COLIFORM BACTERIA 40 CFR 141.21		
Organism	Methodology	Approved Methods
Total Coliforms (3100)	Total Coliform Fermentation Technique.....	9221A, B
E. coli (3014)	Total Coliform Membrane Filter Technique.....	9222A, B, C
	Presence-Absence (P-A) Coliform Test.....	9221D
	ONPG-MUG Test.....	9223
	Colisure Test	
	E-Colite [®] Test	
	m-ColiBlue24 [®] Test	
	Readycult [®] Coliforms 100 Presence/Absence Test	
	Membrane Filter Technique using Chromocult [®] Coliform Agar	
	Colitag [®] Test	
	Chromocult	
Colilert/Colilert-18.....	9223B	