

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 1 of 42	Item No. 180.1
---	---------------------------	------------------------	--------------------------

Drinking Water Bacteriology

Analyte	Technology	Method Description	ELAP Method Number	
Coliform, Total / E. coli (Qualitative)	CF-QL	SM 18-21 9223B (97) (Colilert)	9131	
	CF-QL	Colisure	1016	
	CF-QL	E*Colite Test	9133	
	CF-QL	Readycult Coliforms 100 P/A Test	1114	
	CF-QL	Colitag	1029	
	CF-QL	Colilert	1020	
	FB-PAF-QL	SM 18-20 9221D/40 CFR 141.21(F)6	9128	
	FB-QN	VI 18-21 9221B(99)/40CFR141.21(F)	1010	
	MF-F-QL	40 CFR 141.21 (f) 6v/MI Agar-1604	1021	
	MF-QL	Chromocult Coliform Agar - MF	1119	
	MF-QL	m-Colibblue 24 Test	9134	
	MF-QN	118-21 9222B(97)/40CFR141.21(F)6	1008	
	Standard Plate Count	F-HPC-QN	SimPlate	1024
		PP-QN	SM 18-21 9215B	9136
	E. coli (Enumeration)	CF-QL	SM 18-21 9223B (97) (Colilert)	9131
CF-QL		Colilert	1020	
FB-QN		VI 18-21 9221B(99)/40CFR141.21(F)	1010	
	MF-QN	118-21 9222B(97)/40CFR141.21(F)6	1008	
Enterococci	FB-PAF-QL	Enterolert	1040	
	FB-QN	SM 18-20 9230B (93)	1038	
	MF-QN	EPA 1600	1044	
	MF-QN	SM 18-20 9230C (93)	1042	

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 2 of 42	Item No. 180.1
---	---------------------------	------------------------	--------------------------

Drinking Water Bacteriology

Analyte	Technology	Method Description	ELAP Method Number
Coliphage	99	EPA 1602	1056
	99	EPA 1601	1055

Drinking Water Metals I

Analyte	Technology	Method Description	ELAP Method Number
Arsenic, Total	GFAAS	SM 18-19, 21 3113B (99)	9003
	GFAAS	EPA 200.9 Rev. 2.2	9102
	GFAAS	ASTM D2972-97& 03 (C)	2552
	HGAAS	ASTM D2972-97 & 03(B)	2042
	HGAAS	SM 18-19, 21 3114B (97)	2473
	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-AES	EPA 200.5	1185
	ICP-AES	EPA 200.7 Rev. 4.4	2017
	ICP-MS	EPA 200.8 Rev. 5.4	9103
Barium, Total	FAAS	SM 18-19, 21 3111D (99)	9073
	FAAS	SM 18-21 3111B (99)	9002
	GFAAS	SM 18-19, 21 3113B (99)	9003
	ICP-AES	EPA 200.5	1185
	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-AES	EPA 200.7 Rev. 4.4	2017
Cadmium, Total	ICP-MS	EPA 200.8 Rev. 5.4	9103
	GFAAS	EPA 200.9 Rev. 2.2	9102
	GFAAS	SM 18-19, 21 3113B (99)	9003

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 3 of 42	Item No. 180.1
---	---------------------------	------------------------	--------------------------

Drinking Water Metals I

Analyte	Technology	Method Description	ELAP Method Number	
Cadmium, Total	ICP-AES	SM 18-21 3120B (99)	2583	
	ICP-AES	EPA 200.7 Rev. 4.4	2017	
	ICP-AES	EPA 200.5	1185	
Chromium, Total	ICP-MS	EPA 200.8 Rev. 5.4	9103	
	GFAAS	SM 18-19, 21 3113B (99)	9003	
	GFAAS	EPA 200.9 Rev. 2.2	9102	
	ICP-AES	EPA 200.5	1185	
	ICP-AES	SM 18-21 3120B (99)	2583	
	ICP-AES	EPA 200.7 Rev. 4.4	2017	
	ICP-MS	EPA 200.8 Rev. 5.4	9103	
Copper, Total	FAAS	SM 18-21 3111B (99)	9002	
	GFAAS	ASTM D1688-95 & 02 (C)	9010	
	GFAAS	SM 18-19, 21 3113B (99)	9003	
	GFAAS	EPA 200.9 Rev. 2.2	9102	
	ICP-AES	EPA 200.7 Rev. 4.4	2017	
	ICP-AES	SM 18-21 3120B (99)	2583	
	ICP-AES	EPA 200.5	1185	
	ICP-MS	EPA 200.8 Rev. 5.4	9103	
	Iron, Total	FAAS	SM 18-21 3111B (99)	9002
		GFAAS	SM 18-19, 21 3113B (99)	9003
GFAAS		EPA 200.9 Rev. 2.2	9102	
ICP-AES		EPA 200.7 Rev. 4.4	2017	

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 4 of 42	Item No. 180.1
---	---------------------------	------------------------	--------------------------

Drinking Water Metals I

Analyte	Technology	Method Description	ELAP Method Number
Iron, Total	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-AES	EPA 200.5	1185
Lead, Total	ASV	AS Voltammetry 1001	2464
	GFAAS	EPA 200.9 Rev. 2.2	9102
	GFAAS	ASTM D3559-95/03D	2584
	GFAAS	SM 18-19, 21 3113B (99)	9003
	ICP-AES	EPA 200.7 Rev. 4.4	2017
	ICP-AES	EPA 200.5	1185
	ICP-MS	EPA 200.8 Rev. 5.4	9103
Mercury, Total	CVAAS	EPA 245.1 Rev. 3.0	2258
	CVAAS	SM 18-19, 20 3112B (99)	9050
	CVAAS	EPA 245.2 Rev. 1974	2263
	ICP-MS	EPA 200.8 Rev. 5.4	9103
Manganese, Total	FAAS	SM 18-21 3111B (99)	9002
	GFAAS	SM 18-19, 21 3113B (99)	9003
	GFAAS	EPA 200.9 Rev. 2.2	9102
	ICP-AES	EPA 200.7 Rev. 4.4	2017
	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-AES	EPA 200.5	1185
Selenium, Total	ICP-MS	EPA 200.8 Rev. 5.4	9103
	GFAAS	EPA 200.9 Rev. 2.2	9102
	GFAAS	SM 18-19, 21 3113B (99)	9003

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 5 of 42	Item No. 180.1
---	---------------------------	------------------------	--------------------------

Drinking Water Metals I

Analyte	Technology	Method Description	ELAP Method Number
Selenium, Total	HGAAS	SM 18-19, 21 3114B (97)	2473
	HGAAS	ASTM D3859-98 & 03 (A)	2363
	ICP-AES	EPA 200.5	1185
Silver, Total	ICP-MS	EPA 200.8 Rev. 5.4	9103
	FAAS	SM 18-21 3111B (99)	9002
	GFAAS	SM 18-19, 21 3113B (99)	9003
	GFAAS	EPA 200.9 Rev. 2.2	9102
	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-AES	EPA 200.5	1185
	ICP-AES	EPA 200.7 Rev. 4.4	2017
	ICP-MS	EPA 200.8 Rev. 5.4	9103
Zinc, Total	FAAS	SM 18-21 3111B (99)	9002
	GFAAS	SM 18-19, 21 3113B (99)	9003
	ICP-AES	EPA 200.5	1185
	ICP-AES	EPA 200.7 Rev. 4.4	2017
	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-MS	EPA 200.8 Rev. 5.4	9103

Drinking Water Metals II

Analyte	Technology	Method Description	ELAP Method Number
Aluminum, Total	FAAS	SM 18-19, 21 3111D (99)	9073
	GFAAS	EPA 200.9 Rev. 2.2	9102
	GFAAS	SM 18-19, 21 3113B (99)	9003

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 6 of 42	Item No. 180.1
---	---------------------------	------------------------	--------------------------

Drinking Water Metals II

Analyte	Technology	Method Description	ELAP Method Number
Aluminum, Total	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-AES	EPA 200.7 Rev. 4.4	2017
	ICP-AES	EPA 200.5	1185
Antimony, Total	ICP-MS	EPA 200.8 Rev. 5.4	9103
	GFAAS	SM 18-19, 21 3113B (99)	9003
	GFAAS	EPA 200.9 Rev. 2.2	9102
	HGAAS	ASTM D3697-92, 02	9107
	ICP-AES	EPA 200.7 Rev. 4.4	2017
Beryllium, Total	ICP-AES	EPA 200.5	1185
	ICP-MS	EPA 200.8 Rev. 5.4	9103
	GFAAS	EPA 200.9 Rev. 2.2	9102
	GFAAS	SM 18-19, 21 3113B (99)	9003
	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-AES	EPA 200.5	1185
	ICP-AES	EPA 200.7 Rev. 4.4	2017
Molybdenum, Total	ICP-MS	EPA 200.8 Rev. 5.4	9103
	FAAS	SM 18-19, 21 3111D (99)	9073
	FAAS	USGS I-3490-85	2265
	FAAS	SM 18-21 3111B (99)	9002
	GFAAS	USGS I-3492-96	3492
	ICP-AES	USGS I-4471-97	3112
	ICP-AES	SM 18-21 3120B (99)	2583

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 7 of 42	Item No. 180.1
---	---------------------------	------------------------	--------------------------

Drinking Water Metals II

Analyte	Technology	Method Description	ELAP Method Number
Molybdenum, Total	ICP-AES	EPA 200.7 Rev. 4.4	2017
	ICP-MS	AOAC 993.14	9931
	ICP-MS	EPA 200.8 Rev. 5.4	9103
Nickel, Total	FAAS	SM 18-21 3111B (99)	9002
	GFAAS	EPA 200.9 Rev. 2.2	9102
	GFAAS	SM 18-19, 21 3113B (99)	9003
	ICP-AES	EPA 200.5	1185
	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-AES	EPA 200.7 Rev. 4.4	2017
Thallium, Total	ICP-MS	EPA 200.8 Rev. 5.4	9103
	GFAAS	SM 18-19, 21 3113B (99)	9003
	GFAAS	EPA 200.9 Rev. 2.2	9102
	ICP-MS	EPA 200.8 Rev. 5.4	9103
Vanadium, Total	FAAS	SM 18-19, 21 3111D (99)	9073
	FAAS	ASTM D511-93 & 03 (B)	2081
	GFAAS	ASTM D3373-93, 03	3373
	ICP-AES	EPA 200.7 Rev. 4.4	2017
	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-AES	USGS I-4471-97	3112
	ICP-MS	EPA 200.8 Rev. 5.4	9103
	ICP-MS	AOAC 993.14	9931

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 8 of 42	Item No. 180.1
---	---------------------------	------------------------	--------------------------

Drinking Water Metals III

Analyte	Technology	Method Description	ELAP Method Number	
Boron, Total	COLOR	SM 18-20 4500-B Boron (99)	9015	
	COLOR	USGS I-3112-85	2064	
	ICP-AES	USGS I-4471-97	3112	
	ICP-AES	EPA 200.7 Rev. 4.4	2017	
	ICP-AES	SM 18-21 3120B (99)	2583	
Calcium, Total	FAAS	SM 18-21 3111B (99)	9002	
	ICP-AES	EPA 200.7 Rev. 4.4	2017	
	ICP-AES	SM 18-21 3120B (99)	2583	
	ICP-AES	EPA 200.5	1185	
	TITR	SM 20 3500-Ca-B	1046	
	TITR	ASTM D511-93 & 03 (A)	2085	
	TITR	SM 18-19 3500-Ca-D	2441	
	Magnesium, Total	FAAS	SM 18-21 3111B (99)	9002
		FAAS	ASTM D511-93 & 03 (B)	2081
		ICP-AES	EPA 200.5	1185
ICP-AES		EPA 200.7 Rev. 4.4	2017	
ICP-AES		SM 18-21 3120B (99)	2583	
TITR		ASTM D511-93 & 03 (A)	2085	
TITR		SM18-19 3500-Mg E	1178	
TITR		SM20-21 3500-Mg B (97)	1179	
Potassium, Total	FAAS	SM 18-21 3111B (99)	9002	
	ICP-AES	SM 18-21 3120B (99)	2583	

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 9 of 42	Item No. 180.1
---	---------------------------	------------------------	--------------------------

Drinking Water Metals III

Analyte	Technology	Method Description	ELAP Method Number
Potassium, Total	ICP-AES	EPA 200.7 Rev. 4.4	2017
Sodium, Total	FAAS	SM 18-21 3111B (99)	9002
	ICP-AES	EPA 200.7 Rev. 4.4	2017
Uranium (Mass)	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-AES	EPA 200.5	1185
	COLOR	SM 17 7500-U C	1155
	COLOR	ASTM D2907-97	9349
	COLOR	EPA 908.1	9348
	COLOR	USGS R-1180-76	9350
	COLOR	USGS R-1181-76	9351
	COLOR	DOE 1990 U-04	9352
	COLOR	ASTM D5174-97, 02	9367
	COLOR	DOE U-04	1159
	ICP-MS	EPA 200.8 Rev. 5.4	9103
ICP-MS	ASTM D5673-03	5673	
ICP-MS	SM 20 3125	3125	

Drinking Water Non-Metals

Analyte	Technology	Method Description	ELAP Method Number
Alkalinity	COLOR	EPA 310.2	2008
	TITR	SM 18-21 2320B (97)	9001
	TITR	ASTM D1067-92 & 02	2005
	TITR	USGS I-1030-85	2006

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 10 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Non-Metals

Analyte	Technology	Method Description	ELAP Method Number
Chloride	AMP	SM 18-21 4500-Cl- D (97)	9091
	AUTO	LACHAT 10-117-07-1	5119
	COLOR	USGS I-2187-85	2113
	COLOR	SM 18-20 4500-Cl- E (97)	9023
	COLOR	USGS I-1187-85	2109
	IC	LACHAT 10-510-00-1	1236
	IC-COND	SM 18-21 4110B (00)	2460
	IC-COND	EPA 300.0 Rev. 2.1	2459
	IC-COND	EPA 300.1 Rev. 1.0	2458
	TITR	USGS I-1183-85	2102
	TITR	ASTM D512-89 & 99A	2105
	TITR	SM 18-20 4500-Cl- C	9022
	TITR	SM 18-21 4500-Cl- B (97)	2104
	TITR	AOAC 973.51	2107
	Color	COLOR	SM 18-21 2120B (01)
Corrosivity	99	SM 18-19 2330	1012
Specific Conductance	AUTO	LACHAT 10-302-00-1	1117
	COND	EPA 120.1 Rev. 1982	2379
	COND	SM 18-21 2510B (97)	9071
Cyanide, Free	AMP	OIA-1677	1677
	AUTO	LACHAT 10-204-00-1-X	2484
	AUTO	LACHAT 10-204-00-1-A	1237

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 11 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Non-Metals

Analyte	Technology	Method Description	ELAP Method Number
Cyanide, Free	AUTO	Kelada Method	1089
	AUTO	EPA 335.4 Rev. 1.0	9119
	COLOR	SM 18-21 4500-CN G (99)	9038
	COLOR	SM 18-21 4500-CN E (99)	9037
	GC-MS	ME355.01	1195
	POT	SM 18-21 4500-CN F (99)	9121
	PREP	SM 18-20 4500-CN C	2166
Cyanide, Total	AMP	OIA-1677	1677
	AUTO	LACHAT 10-204-00-1-X	2484
	AUTO	Kelada Method	1089
	AUTO	EPA 335.4 Rev. 1.0	9119
	COLOR	SM 18-21 4500-CN E (99)	9037
	COLOR	SM 18-21 4500-CN G (99)	9038
	COLOR	ASTM D2036-98 (B)	2181
	POT	SM 18-21 4500-CN F (99)	9121
	PREP	SM 18-20 4500-CN C	2166
	Fluoride, Total	AUTO	Technicon 129-71W
AUTO		LACHAT 10-109-12-2-A	1238
CIE-UV		ASTM D6508 Rev. 2	6508
COLOR		SM 18-21 4500-F D (97)	9099
COLOR		SM 18-21 4500-F E (97)	9041
IC		LACHAT 10-510-00-1	1236

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 12 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Non-Metals

Analyte	Technology	Method Description	ELAP Method Number
Fluoride, Total	IC-COND	EPA 300.1 Rev. 1.0	2458
	IC-COND	EPA 300.0 Rev. 2.1	2459
	IC-COND	SM 18-21 4110B (00)	2460
	POT	ORION 380-75 WE	2448
	POT	ASTM D1179-93 & 99 (B)	2185
	POT	SM 18-21 4500-F C (97)	9097
Calcium Hardness	CALC	SM 18-20 2340B (97)	2564
	FAAS	SM 18-21 3111B (99)	9002
	FAAS	SM 18-19, 21 3500-Ca B	2437
	ICP-AES	SM 18-21 3120B (99)	2583
	ICP-AES	EPA 200.7 Rev. 4.4	2017
	TITR	SM 18-20 2340C (97)	1110
	TITR	SM 20 3500-Ca-B	1046
	TITR	SM 18-19 3500-Ca-D	2441
	Hydrogen Ion (pH)	AUTO	EPA 150.2
POT		ASTM D1293-95 & 99	1158
POT		SM 18-21 4500-H B (00)	9043
POT		AOAC 973.41	2205
Nitrate (as N)	AUTO	Systea Easy (1-Reagent)	1194
	AUTO	LACHAT 10-107-04-1-C	1241
	CIE-UV	ASTM D6508 Rev. 2	6508
	COLOR	SM 18-21 4500-NO3 E (00)	9052

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 13 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Non-Metals

Analyte	Technology	Method Description	ELAP Method Number	
Nitrate (as N)	COLOR	EPA 353.2 Rev. 2.0	2281	
	COLOR	SM 18-21 4500-NO3 F (00)	9053	
	COLOR	ASTM D3867-99A	2283	
	IC	LACHAT 10-510-00-1	1236	
	IC-COND	EPA 300.1 Rev. 1.0	2458	
	IC-COND	EPA 300.0 Rev. 2.1	2459	
	IC-COND	SM 18-21 4110B (00)	2460	
	IC-UV	MILLIPORE B-1011	9149	
	POT	ORION Technical Bulletin 601 1994	1037	
	POT	SM 18-21 4500-N03 D (00)	9998	
	POT	ORION 1985	2463	
	Nitrite (as N)	AUTO	LACHAT 10-107-04-1-C	1241
		AUTO	Systea Easy (1-Reagent)	1194
CIE-UV		ASTM D6508 Rev. 2	6508	
COLOR		ASTM D3867-99A	2283	
COLOR		SM 18-21 4500-NO3 E (00)	9052	
COLOR		Westco 380-100D	1028	
COLOR		SM 18-21 4500-NO2 B (00)	9162	
COLOR		SM 18-21 4500-NO3 F (00)	9053	
COLOR		EPA 353.2 Rev. 2.0	2281	
COLOR		Thermo Orion Method AC2046	1116	
IC		LACHAT 10-510-00-1	1236	

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 14 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Non-Metals

Analyte	Technology	Method Description	ELAP Method Number
Nitrite (as N)	IC-COND	SM 18-21 4110B (00)	2460
	IC-COND	EPA 300.0 Rev. 2.1	2459
	IC-COND	EPA 300.1 Rev. 1.0	2458
Orthophosphate (as P)	IC-UV	MILLIPORE B-1011	9149
	AUTO	LACHAT 10-115-01-1-A	1242
	AUTO	Seal Method 2-014-1-L	1025
	AUTO	SM 18-21 4500-P F	9057
	COLOR	ASTM D515-88 A	2304
	COLOR	EPA 365.1 Rev. 2.0	2299
	COLOR	Hach 8048	2469
	COLOR	USGS I-2601-90	9114
	COLOR	Westco 410-200E	1027
	COLOR	SM 18-21 4500-P E	9061
	COLOR	USGS I-1601-85	9113
	COLOR	USGS I-2598-85	9115
	IC	LACHAT 10-510-00-1	1236
	IC-COND	EPA 300.0 Rev. 2.1	2459
	IC-COND	EPA 300.1 Rev. 1.0	2458
Silica, Dissolved	IC-COND	SM 18-21 4110B (00)	2460
	AUTO	USGS I-2700-85	2369
	AUTO	SM 20-21 4500 SiO2-E (97)	1181
	COLOR	SM 20-21 4500 SiO2-D (97)	1180

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 15 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Non-Metals

Analyte	Technology	Method Description	ELAP Method Number
Silica, Dissolved	COLOR	SM 18-19 4500-Si E	9920
	COLOR	ASTM D859-94 & 00	2367
	COLOR	SM 20-21 4500 SiO2-C (97)	9069
	COLOR	SM 18-19 4500-Si D	9068
	COLOR	SM 18-19 4500-Si F	9921
	COLOR	USGS I-1700-85	2368
	ICP-AES	EPA 200.5	1185
	ICP-AES	EPA 200.7 Rev. 4.4	2017
Solids, Total Dissolved Sulfate (as SO4)	ICP-AES	SM 18-21 3120B (99)	2583
	GRAV	SM 18-21 2540C (97)	9064
	COLOR	EPA 375.2 Rev. 2.0	9177
	COLOR	ASTM D516-90 & 02	2392
	COLOR	SM 18-21 4500-SO4 F (97)	9166
	COLOR	SM 18-21 4500-SO4 E (97)	9172
	GRAV	SM 18-21 4500 - SO4 C (97)	1022
	GRAV	SM 18-21 4500-SO4 D (97)	2587
	IC	LACHAT 10-510-00-1	1236
	IC-COND	EPA 300.0 Rev. 2.1	2459
IC-COND	SM 18-21 4110B (00)	2460	
IC-COND	EPA 300.1 Rev. 1.0	2458	

Drinking Water Chlorinated Acids

Analyte	Technology	Method Description	ELAP Method Number
---------	------------	--------------------	--------------------

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 16 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Chlorinated Acids

Analyte	Technology	Method Description	ELAP Method Number
Acifluorofen	GC-ECD	EPA 515.4	1514
	GC-ECD	EPA 515.3	1607
	HPLC-UV	EPA 555	1601
2,4-D	GC-ECD	EPA 515.4	1514
	GC-ECD	EPA 515.3	1607
	GC-ECD	EPA 515.1	9086
	GC-ECD	ASTM D5317-93 & 98	1608
	GC-ECD	EPA 515.2	1600
	HPLC-UV	EPA 555	1601
	Dalapon	GC-ECD	EPA 515.1
	GC-ECD	EPA 552.3	1156
	GC-ECD	EPA 515.4	1514
	GC-ECD	EPA 552.1	5020
	GC-ECD	EPA 552.2	5018
	GC-ECD	EPA 515.3	1607
Dicamba	GC-ECD	EPA 515.1	9086
	GC-ECD	EPA 515.4	1514
	GC-ECD	EPA 515.2	1600
	GC-ECD	EPA 515.3	1607
Dinoseb	HPLC-UV	EPA 555	1601
	GC-ECD	EPA 515.4	1514
	GC-ECD	EPA 515.2	1600

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 17 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Chlorinated Acids

Analyte	Technology	Method Description	ELAP Method Number	
Dinoseb	GC-ECD	EPA 515.1	9086	
	GC-ECD	EPA 515.3	1607	
	HPLC-UV	EPA 555	1601	
Pentachlorophenol	GC-ECD	ASTM D5317-93 & 98	1608	
	GC-ECD	EPA 515.1	9086	
	GC-ECD	EPA 515.3	1607	
	GC-ECD	EPA 515.4	1514	
	GC-ECD	EPA 515.2	1600	
	GC-MS	EPA 525.2	9095	
	HPLC-FLUOR	SM 18-21 6610 B (04)	1602	
	HPLC-UV	EPA 555	1601	
Picloram	GC-ECD	EPA 515.2	1600	
	GC-ECD	EPA 515.4	1514	
	GC-ECD	EPA 515.1	9086	
	GC-ECD	ASTM D5317-93 & 98	1608	
	GC-ECD	EPA 515.3	1607	
	HPLC-UV	EPA 555	1601	
	2,4,5-TP (Silvex)	GC-ECD	EPA 515.3	1607
		GC-ECD	ASTM D5317-93 & 98	1608
GC-ECD		EPA 515.1	9086	
GC-ECD		EPA 515.4	1514	
GC-ECD		EPA 515.2	1600	

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 18 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Chlorinated Acids

Analyte	Technology	Method Description	ELAP Method Number
2,4,5-TP (Silvex)	HPLC-UV	EPA 555	1601

Drinking Water Organohalide Pesticides

Analyte	Technology	Method Description	ELAP Method Number
Alachlor	GC-ECD	EPA 505	9082
	GC-ECD	EPA 551.1	5026
	GC-ECD	EPA 508.1	9085
	GC-MS	EPA 525.2	9095
	GC-NPD	EPA 507	9081
Aldrin	GC-ECD	EPA 505	9082
	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 508	9084
	GC-MS	EPA 525.2	9095
	GC-NPD	EPA 507	9081
Atrazine	COLOR	AG-625	6250
	GC-ECD	EPA 551.1	5026
	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 505	9082
	GC-MS	EPA 525.2	9095
Butachlor	GC-NPD	EPA 507	9081
	GC-ECD	EPA 508.1	9085
	GC-MS	EPA 525.2	9095
Chlordane Total	GC-NPD	EPA 507	9081
	GC-ECD	EPA 505	9082

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 19 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Organohalide Pesticides

Analyte	Technology	Method Description	ELAP Method Number
Chlordane Total	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 508	9084
	GC-MS	EPA 525.2	9095
Dieldrin	GC-ECD	EPA 505	9082
	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 508	9084
	GC-MS	EPA 525.2	9095
Endrin	GC-ECD	EPA 505	9082
	GC-ECD	EPA 508	9084
	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 551.1	5026
	GC-MS	EPA 525.2	9095
Heptachlor	GC-ECD	EPA 505	9082
	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 551.1	5026
	GC-ECD	EPA 508	9084
	GC-MS	EPA 525.2	9095
	GC-MS	EPA 525.2	9095
Heptachlor epoxide	GC-ECD	EPA 508	9084
	GC-ECD	EPA 505	9082
	GC-ECD	EPA 551.1	5026
	GC-ECD	EPA 508.1	9085
	GC-MS	EPA 525.2	9095

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 20 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Organohalide Pesticides

Analyte	Technology	Method Description	ELAP Method Number
Lindane	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 551.1	5026
	GC-ECD	EPA 508	9084
	GC-ECD	EPA 505	9082
	GC-MS	EPA 525.2	9095
Methoxychlor	GC-ECD	EPA 505	9082
	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 508	9084
	GC-ECD	EPA 551.1	5026
	GC-MS	EPA 525.2	9095
Metolachlor	GC-ECD	EPA 505	9082
	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 551.1	5026
	GC-MS	EPA 525.2	9095
	GC-NPD	EPA 507	9081
Metribuzin	GC-ECD	EPA 551.1	5026
	GC-ECD	EPA 508.1	9085
	GC-MS	EPA 525.2	9095
	GC-NPD	EPA 507	9081
Propachlor	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 508	9084
	GC-MS	EPA 525.2	9095

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 21 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Organohalide Pesticides

Analyte	Technology	Method Description	ELAP Method Number
Simazine	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 505	9082
	GC-ECD	EPA 551.1	5026
	GC-MS	EPA 525.2	9095
	GC-NPD	EPA 507	9081
Toxaphene	GC-ECD	EPA 505	9082
	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 508	9084
	GC-MS	EPA 525.2	9095
Trifluralin	GC-ECD	EPA 617	6170
	GC-ECD	EPA 551.1	5026
	GC-MS	EPA 525.2	9095

D. W. Methylcarbamate Pesticides

Analyte	Technology	Method Description	ELAP Method Number
Aldicarb	HPLC-FLUOR	SM 18-21 6610 B (04)	1602
	HPLC-FLUOR	EPA 531.2	5312
	HPLC-FLUOR	EPA 531.1	9083
Aldicarb Sulfone	HPLC-FLUOR	EPA 531.2	5312
	HPLC-FLUOR	EPA 531.1	9083
Aldicarb Sulfoxide	HPLC-FLUOR	SM 18-21 6610 B (04)	1602
	HPLC-FLUOR	SM 18-21 6610 B (04)	1602
	HPLC-FLUOR	EPA 531.2	5312

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 22 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

D. W. Methylcarbamate Pesticides

Analyte	Technology	Method Description	ELAP Method Number
Aldicarb Sulfoxide	HPLC-FLUOR	EPA 531.1	9083
Carbaryl	HPLC-FLUOR	SM 18-21 6610 B (04)	1602
	HPLC-FLUOR	EPA 531.2	5312
Carbofuran	HPLC-FLUOR	EPA 531.1	9083
	HPLC-FLUOR	EPA 531.1	9083
	HPLC-FLUOR	SM 18-21 6610 B (04)	1602
	HPLC-FLUOR	EPA 531.2	5312
3-Hydroxy Carbofuran	HPLC-FLUOR	EPA 531.1	9083
	HPLC-FLUOR	EPA 531.2	5312
Methomyl	HPLC-FLUOR	SM 18-21 6610 B (04)	1602
	HPLC-FLUOR	SM 18-21 6610 B (04)	1602
	HPLC-FLUOR	EPA 531.2	5312
Oxamyl	HPLC-FLUOR	EPA 531.1	9083
	HPLC-FLUOR	EPA 531.2	5312
	HPLC-FLUOR	EPA 531.1	9083
	HPLC-FLUOR	SM 18-21 6610 B (04)	1602

Drinking Water Miscellaneous

Analyte	Technology	Method Description	ELAP Method Number
Turbidity	COLOR	Hach FilterTrak Method 10133	1168
	COLOR	Orion Method AQ4500	1193
	COLOR	Mitchell Method M5271	1191
	COLOR	GLI Method 2	1167

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 23 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Miscellaneous

Analyte	Technology	Method Description	ELAP Method Number
Turbidity	COLOR	EPA 180.1 Rev. 2.0	1166
	COLOR	SM 18-21 2130 B (01)	1165
	COLOR	Mitchel Method M5331	1192
Asbestos	TEM	EPA 100.2	7301
	TEM	EPA 100.1	7300
3-Chloropropene (Allyl chloride)	GC-MS	EPA 524.3 Rev. 1	5243
Benzo(a)pyrene	GC-MS	EPA 525.2	9095
	HPLC-UV	EPA 550	9093
1,3-Butadiene	GC-MS	EPA 524.3 Rev. 1	5243
Di (2-ethylhexyl) adipate	GC-MS	EPA 525.2	9095
	GC-PID	EPA 506	9090
Bis(2-ethylhexyl) phthalate	GC-MS	EPA 525.2	9095
	GC-PID	EPA 506	9090
2,3,7,8-Tetrachlorodibenzo-p-dioxin	GC-HRMS	EPA 1613B	9092
Carbon Disulfide	GC-MS	EPA 524.3 Rev. 1	5243
Diquat	HPLC-UV	EPA 549.2	1610
Endothall	GC-MS	EPA 548.1	9088
Glyphosate	HPLC-UV	SM 18-20 6651	1604
	HPLC-UV	EPA 547	9089
Hexachlorobenzene	GC-ECD	EPA 508	9084
	GC-ECD	EPA 505	9082
	GC-ECD	EPA 508.1	9085

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 24 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Miscellaneous

Analyte	Technology	Method Description	ELAP Method Number
Hexachlorobenzene	GC-ECD	EPA 551.1	5026
	GC-MS	EPA 525.2	9095
Hexachlorocyclopentadiene	GC-ECD	EPA 505	9082
	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 551.1	5026
	GC-ECD	EPA 508	9084
	GC-MS	EPA 525.2	9095
Methyl iodide	GC-MS	EPA 524.3 Rev. 1	5243
Odor	99	SM 18-20 2150B (97)	1403
	99	EPA 140.1	1441
Organic Carbon, Dissolved	IR	EPA 415.3 Rev. 1.1	1186
	IR	SM 18-21 5310B (00)	2577
	IR	SM 18-21 5310C (00)	2578
	IR	SM 18-21 5310D (00)	2579
	IR	SM 18-21 5310B (00)	2577
Organic Carbon, Total	IR	EPA 415.2	2292
	IR	SM 18-21 5310C (00)	2578
	IR	SM 18-21 5310D (00)	2579
	IR	SM 18-21 5310B (00)	2577
Perchlorate	HPLC-ESMS	EPA 332.0 Rev. 1	1248
	HPLC-ESMS	EPA 331.0	3310
	IC-COND	EPA 314.0	3140
Temperature	99	SM 18-21 2550B (00)	9078

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 25 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Miscellaneous

Analyte	Technology	Method Description	ELAP Method Number
Surfactant (MBAS)	COLOR	ASTM D2330-88 & 02	2403
	COLOR	SM 18-21 5540C (00)	9077
UV 254	COLOR	SM 19-21 5910B	5910
Total Glycol	COLOR	NYSDOH APC 44	1148
Ethylene Glycol	GC-FID	Westchester County FID Method	1149
Propylene Glycol	GC-FID	Westchester County FID Method	1149

Polychlorinated Biphenyls

Analyte	Technology	Method Description	ELAP Method Number
PCB Screen	GC-ECD	EPA 508	9084
	GC-ECD	EPA 508.1	9085
	GC-ECD	EPA 505	9082
	GC-MS	EPA 525.2	9095
PCB,Total (as decachlorobiphenyl)	GC-ECD	EPA 508A	5025

Drinking Water Trihalomethanes

Analyte	Technology	Method Description	ELAP Method Number
Bromodichloromethane	GC-ECD	EPA 551.1	5026
	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
Bromoform	GC-ECD	EPA 551.1	5026
	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 26 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Drinking Water Trihalomethanes

Analyte	Technology	Method Description	ELAP Method Number
Dibromochloromethane	GC-ECD	EPA 551.1	5026
	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
Chloroform	GC-MS	EPA 524.3 Rev. 1	5243
	GC-ECD	EPA 551.1	5026
	GCELCD/PID	EPA 502.2	5101
Total Trihalomethanes	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
	GC-ECD	EPA 551.1	5026
Total Trihalomethanes	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105

Radiological Analytes

Analyte	Technology	Method Description	ELAP Method Number
Gross Alpha	PROP CNT	EPA 1984 00-02	3556
	PROP CNT	EPA 1984 00-01	3551
	PROP CNT	SM 13 302	3554
	PROP CNT	EPA 1979 p.1	3552
	PROP CNT	SM 18-21 7110B (00)	3553
	PROP CNT	EPA 1976 pp.1-3	7014
	PROP CNT	SM 18-21 7110C (00)	9300
	PROP CNT	EPA 900.0	9135
	PROP CNT	USGS R-1120-76	3555

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 27 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Radiological Analytes

Analyte	Technology	Method Description	ELAP Method Number	
Gross Beta	PROP CNT	SM 13 302	3554	
	PROP CNT	EPA 1976 pp.1-3	7014	
	PROP CNT	EPA 900.0	9135	
	PROP CNT	EPA 1984 00-02	3556	
	PROP CNT	EPA 1984 00-01	3551	
	PROP CNT	USGS R-1120-76	3555	
	PROP CNT	EPA 1979 p.1	3552	
	PROP CNT	SM 18-21 7110B (00)	3553	
	Photon Emitters	GAMMA CNT	DOE Ga-01-R	1151
GAMMA CNT		USGS R-1110-76	9353	
GAMMA CNT		SM 18-21 7120 (97)	9354	
GAMMA CNT		EPA 1979,P.92	9355	
GAMMA CNT		DOE 4.5.2.3	9302	
GAMMA CNT		EPA 901.1	9144	
Radioactive Cesium		GAMMA CNT	SM 18-21 7120 (97)	9354
		GAMMA CNT	EPA 901.1	9144
		GAMMA CNT	DOE 4.5.2.3	9302
	GAMMA CNT	EPA 1979,P.92	9355	
	GAMMA CNT	USGS R-1110-76	9353	
	PROP CNT	EPA 1976 p.4	7016	
	PROP CNT	ASTM D2459-72	9304	
	PROP CNT	SM 18-21 7500-Cs B (00)	9303	

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 28 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Radiological Analytes

Analyte	Technology	Method Description	ELAP Method Number
Radioactive Cesium	PROP CNT	USGS R-1111-76	9357
	SCIN CNT	EPA 901.0	9336
Iodine-131	GAMMA CNT	EPA 901.1	9144
	GAMMA CNT	DOE 4.5.2.3	9302
	GAMMA CNT	EPA 1979,P.92	9355
	GAMMA CNT	SM 18-21 7120 (97)	9354
	GAMMA CNT	ASTM D4785-93,00(A)	9358
	PROP CNT	ASTM D3649-91, 98(A)	9307
	PROP CNT	EPA 902.0	9137
	PROP CNT	EPA 1976,P.6,9	9305
	PROP CNT	SM 18-21 7500-I B,C,D (00)	9306
	Plutonium	99	EPA 1979,P.33
99		EPA 1984 Pu-01	9309
99		NYS Pu-02	9311
Radium-226	PROP CNT	EPA 907.0	9308
	GAMMA CNT	GIT HPGE/Ge(Li) Method	1150
	PROP CNT	EPA 905.0	9313
	PROP CNT	SM 13 304	9364
	PROP CNT	ASTM D2460-97	9362
	PROP CNT	EPA 1984 Ra-03	9319
	PROP CNT	USGS R-1140-76	9363
	PROP CNT	SM 18-21 7500-Ra B (01)	9361

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 29 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Radiological Analytes

Analyte	Technology	Method Description	ELAP Method Number
Radium-226	PROP CNT	SM 13 305	9360
	PROP CNT	EPA 903.0	9318
	SCIN CNT	EPA 1976 pp.16-23	7022
	SCIN CNT	DOE Ra-04	9359
	SCIN CNT	USGS R-1141-76	9316
	SCIN CNT	EPA 903.1	9112
	SCIN CNT	EPA 1979 p.19	1152
	SCIN CNT	NYS Ra-02	9317
	SCIN CNT	EPA 1984 Ra-04	9312
	SCIN CNT	SM 18-21 7500-Ra C (01)	9314
	SCIN CNT	ASTM D3454-91, 97	9315
	Radium-228	GAMMA CNT	NYS- Ra-03
GAMMA CNT		GIT HPGE/Ge(Li) Method	1150
PROP CNT		SM 13 304	9364
PROP CNT		EPA 1979,P.19	9322
PROP CNT		USGS R-1142-76	9324
PROP CNT		NJ 1980	9326
PROP CNT		EPA 1976,PP.24	9320
PROP CNT		EPA 1984 Ra-05	9321
PROP CNT		NYS Ra-02	9325
PROP CNT		EPA 904.0	7040
PROP CNT		SM 18-21 7500-Ra D (01)	9323

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 30 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Radiological Analytes

Analyte	Technology	Method Description	ELAP Method Number
Radium-228	SCIN CNT	EPA 1979 p.19	1152
Radon	SCIN CNT	ASTM D5072-92	9369
	SCIN CNT	EPA 1987,p.22	9329
	SCIN CNT	EPA 913	9327
	SCIN CNT	SM 20 7500 Rn	9368
Strontium-89	PROP CNT	SM 18-21 7500-Sr B (01)	9331
	PROP CNT	EPA 1984 Sr-04	9334
	PROP CNT	DOE 1990 Sr-02	9335
	PROP CNT	SM 13 303	9365
	PROP CNT	EPA 1976 p.29	7026
	PROP CNT	EPA 905.0	9313
	PROP CNT	USGS R-1160-76	9332
	PROP CNT	DOE 1990 Sr-01	9333
Strontium-90	PROP CNT	EPA 1976 p.29	7026
	PROP CNT	EPA 1979,p 65	9330
	PROP CNT	USGS R-1160-76	9332
	PROP CNT	DOE 1990 Sr-01	9333
	PROP CNT	DOE 1990 Sr-02	9335
	PROP CNT	EPA 1984 Sr-04	9334
	PROP CNT	EPA 905.0	9313
	PROP CNT	SM 18-21 7500-Sr B (01)	9331
	PROP CNT	SM 13 303	9365

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 31 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Radiological Analytes

Analyte	Technology	Method Description	ELAP Method Number
Tritium	SCIN CNT	SM 18-21 7500-3H B (00)	9338
	SCIN CNT	EPA 1976 p. 34	7028
	SCIN CNT	ASTM D4107-91, 98	9339
	SCIN CNT	SM 13 306	9366
	SCIN CNT	EPA 906.0	2086
	SCIN CNT	EPA 1984 H-02	1154
	SCIN CNT	USGS R-1171-76	9340
	SCIN CNT	EPA 1979 p. 87	1153
Uranium (Activity)	99	SM 18-21 7500-U C (00)	9345
	99	USGS R-1182-76	9346
	99	DOE 1990 U-02	9347
	99	EPA 908.0	7039
	99	EPA 1979,P.33	9310
	99	ASTM D3972-97, 02	9342
	99	EPA 1984 00-07	9343
	COLOR	ASTM D2907-97	9349
	COLOR	ASTM D5174-97, 02	9367
	ICP-MS	EPA 200.8 Rev. 5.4	9103
	PROP CNT	SM 18-21 7500-U B (00)	9341

Volatile Halocarbons

Analyte	Technology	Method Description	ELAP Method Number
Bromochloromethane	GC-ECD	EPA 551.1	5026

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 32 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Volatile Halocarbons

Analyte	Technology	Method Description	ELAP Method Number
Bromochloromethane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
Bromomethane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
Carbon tetrachloride	GC-ECD	EPA 551.1	5026
	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
Chloroethane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
Chloromethane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
Dibromomethane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
Dichlorodifluoromethane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
1,1-Dichloroethane	GCELCD/PID	EPA 502.2	5101

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 33 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Volatile Halocarbons

Analyte	Technology	Method Description	ELAP Method Number
1,1-Dichloroethane	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
1,2-Dichloroethane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
1,1-Dichloroethene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
cis-1,2-Dichloroethene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
trans-1,2-Dichloroethene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
1,2-Dichloropropane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
1,3-Dichloropropane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
2,2-Dichloropropane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
1,1-Dichloropropene	GCELCD/PID	EPA 502.2	5101

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 34 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Volatile Halocarbons

Analyte	Technology	Method Description	ELAP Method Number
1,1-Dichloropropene	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
cis-1,3-Dichloropropene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
trans-1,3-Dichloropropene	GC-MS	EPA 524.3 Rev. 1	5243
	GCELCD/PID	EPA 502.2	5101
Methylene chloride	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
1,1,1,2-Tetrachloroethane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
1,1,2,2-Tetrachloroethane	GC-MS	EPA 524.3 Rev. 1	5243
	GCELCD/PID	EPA 502.2	5101
Tetrachloroethene	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
1,1,1-Trichloroethane	GC-ECD	EPA 551.1	5026
	GCELCD/PID	EPA 502.2	5101
1,1,1-Trichloroethane	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
	GC-ECD	EPA 551.1	5026
	GCELCD/PID	EPA 502.2	5101

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 35 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Volatile Halocarbons

Analyte	Technology	Method Description	ELAP Method Number
1,1,1-Trichloroethane	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
1,1,2-Trichloroethane	GC-ECD	EPA 551.1	5026
	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
Trichloroethene	GC-ECD	EPA 551.1	5026
	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
Trichlorofluoromethane	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
1,2,3-Trichloropropane	GC-ECD	EPA 504.1	5103
	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
Vinyl chloride	GCELCD/PID	EPA 502.2	5101
	GC-MS	SM 18-19 6210B	5303
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 36 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Volatile Aromatics

Analyte	Technology	Method Description	ELAP Method Number
Benzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
Bromobenzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
n-Butylbenzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
sec-Butylbenzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
tert-Butylbenzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
Chlorobenzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
2-Chlorotoluene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
4-Chlorotoluene	GCELCD/PID	EPA 502.2	5101

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 37 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Volatile Aromatics

Analyte	Technology	Method Description	ELAP Method Number
4-Chlorotoluene	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
1,2-Dichlorobenzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
1,3-Dichlorobenzene	GC-MS	EPA 524.3 Rev. 1	5243
	GCELCD/PID	EPA 502.2	5101
1,4-Dichlorobenzene	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
Ethyl benzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
Hexachlorobutadiene	GC-MS	EPA 524.3 Rev. 1	5243
	GCELCD/PID	EPA 502.2	5101
Isopropylbenzene	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
p-Isopropyltoluene (P-Cymene)	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 38 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Volatile Aromatics

Analyte	Technology	Method Description	ELAP Method Number
p-Isopropyltoluene (P-Cymene)	GC-MS	EPA 524.2	5105
n-Propylbenzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
Styrene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
Toluene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
1,2,3-Trichlorobenzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
1,2,4-Trichlorobenzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
1,2,4-Trimethylbenzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.3 Rev. 1	5243
	GC-MS	EPA 524.2	5105
1,3,5-Trimethylbenzene	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 39 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Volatile Aromatics

Analyte	Technology	Method Description	ELAP Method Number
Total Xylenes	GCELCD/PID	EPA 502.2	5101
	GC-MS	EPA 524.2	5105

Microextractibles

Analyte	Technology	Method Description	ELAP Method Number
1,2-Dibromoethane	GC-ECD	EPA 551.1	5026
	GC-ECD	EPA 504.1	5103
	GC-MS	EPA 524.3 Rev. 1	5243
1,2-Dibromo-3-chloropropane	GC-MS	EPA 524.3 (SIM or SIS Mode)	1190
	GC-ECD	EPA 551.1	5026
	GC-ECD	EPA 504.1	5103
	GC-MS	EPA 524.3 (SIM or SIS Mode)	1190

Disinfection By-products

Analyte	Technology	Method Description	ELAP Method Number
Free Residual Chlorine	AMP	SM 18-21 4500-CI D (00)	1073
	AMP	ASTM D1253-86&96&03	1080
	COLOR	SM 18-21 4500-CI G (00)	1078
	COLOR	SM 18-21 4500-CI H (00)	1162
	TITR	SM 18-21 4500-CI F (00)	1077
Total Residual Chlorine	AMP	SM 18-21 4500-CI D (00)	1073
	AMP	SM 18-21 4500-CI E (00)	1074
	AMP	ASTM D1253-86&96&03	1080
	COLOR	SM 18-21 4500-CI G (00)	1078
	POT	SM 18-21 4500-CI I (00)	1161

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 40 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Disinfection By-products

Analyte	Technology	Method Description	ELAP Method Number	
Total Residual Chlorine	TITR	SM 18-21 4500-Cl F (00)	1077	
Bromate	IC	EPA 321.8	1146	
	IC	EPA 326.0	1145	
	IC-COND	EPA 300.1 Rev. 1.0	2458	
	IC-COND	ASTM D6581-00	6581	
	IC-UV	EPA 317.0 Rev. 2.0	3170	
	Bromide	IC-COND	EPA 300.1 Rev. 1.0	2458
IC-COND		EPA 300.0 Rev. 2.1	2459	
Chlorate	IC-COND	EPA 300.1 Rev. 1.0	2458	
	IC-COND	EPA 300.0 Rev. 2.1	2459	
Chlorite	AMP	SM 19-21 4500 CLO2 E (00)	2462	
	COLOR	EPA 327.0 Rev. 1.1	1147	
	IC	EPA 326.0	1145	
	IC-COND	EPA 300.1 Rev. 1.0	2458	
	IC-COND	EPA 300.0 Rev. 2.1	2459	
	IC-COND	ASTM D6581-00	6581	
	IC-UV	EPA 317.0 Rev. 2.0	3170	
	Dibromoacetic acid	GC-ECD	SM 19-21 6251B (94)	5019
		GC-ECD	EPA 552.1	5020
GC-ECD		EPA 552.2	5018	
Dichloroacetic acid	GC-ECD	SM 19-21 6251B (94)	5019	
	GC-ECD	EPA 552.1	5020	

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 41 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Disinfection By-products

Analyte	Technology	Method Description	ELAP Method Number
Dichloroacetic acid	GC-ECD	EPA 552.2	5018
	GC-ECD	EPA 552.1	5020
Monobromoacetic acid	GC-ECD	EPA 552.2	5018
	GC-ECD	SM 19-21 6251B (94)	5019
	GC-ECD	EPA 552.2	5018
Monochloroacetic acid	GC-ECD	EPA 552.1	5020
	GC-ECD	SM 19-21 6251B (94)	5019
	GC-ECD	EPA 552.2	5018
Trichloroacetic acid	GC-ECD	EPA 552.1	5020
	GC-ECD	SM 19-21 6251B (94)	5019
	GC-ECD	EPA 552.2	5018
Bromochloroacetic acid	GC-ECD	EPA 552.1	5020
	GC-ECD	SM 19-21 6251B (94)	5019
	GC-ECD	EPA 552.2	5018
	GC-ECD	EPA 552.1	5020
	GC-ECD	SM 19-21 6251B (94)	5019

Fuel Additives

Analyte	Technology	Method Description	ELAP Method Number
Di-isopropyl ether	GC-MS	EPA 524.3 Rev. 1	5243
Naphthalene	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243
Methyl acetate	GC-MS	EPA 524.3 Rev. 1	5243
Methyl tert-butyl ether	GC-ELCD	SM 20 6200C (97)	5107
	GC-MS	EPA 524.2	5105
	GC-MS	EPA 524.3 Rev. 1	5243

SUBJECT Approved Methods: Potable Water	DATE 08/27/2009	PAGE 42 of 42	Item No. 180.1
---	---------------------------	-------------------------	--------------------------

Fuel Additives

Analyte	Technology	Method Description	ELAP Method Number
Methyl tert-butyl ether	GC-PID	EPA 502.2/ SEE ITEM 198.5	5106
tert-amyl methyl ether	GC-MS	EPA 524.3 Rev. 1	5243
tert-butyl alcohol	GC-MS	EPA 524.3 Rev. 1	5243