

Parameter	currently approved method	updated method revision in MUR
ACIDITY	SM 2310 B-2011	SM 2310 B-2020
ALKALINITY	SM 2320 B-2011	SM 2320 B-2021
ALUMINUM	SM 3111 D-2011	SM 3111 D-2019
ALUMINUM	SM 3111 E-2011	SM 3111 E-2019
ALUMINUM	SM 3113 B-2010	SM 3113 B-2020
ALUMINUM	SM 3500 Al B-2011	SM 3500 Al B-2020
ALUMINUM	SM 3120 B-2011	SM 3120 B-2020
ANTIMONY	SM 3111 B-2011	SM 3111 B-2019
ANTIMONY	SM 3120 B-2011	SM 3120 B-2020
ANTIMONY	SM 3113 B-2010	SM 3113 B-2020
ARSENIC	SM 3113 B-2010	SM 3113 B-2020
ARSENIC	SM 3114 B-2011	SM 3114 B-2020
ARSENIC	SM 3114 C-2011	SM 3114 C-2020
ARSENIC	SM 3500-As B-2011	SM 3500-As B-2020
BACTERIA - E. coli	EPA 1603 (MF)	EPA 1603.1 (MF)
BACTERIA - ENTEROCOCCI	EPA 1600 (MF)	EPA 1600.1 (MF)
BROMIDE	SM 4110 D-2011	SM 4110 D-2020
BROMIDE	SM 4110 B-2011	SM 4110 B-2020
BROMIDE	SM 4110 C-2011	SM 4110 C-2020
CADMIUM	SM 3111 B-2011	SM 3111 B-2019
CADMIUM	SM 3111 C-2011	SM 3111 C-2019
CADMIUM	SM 3113 B-2010	SM 3113 B-2020
CALCIUM	SM 3500 Ca B-2011	SM 3500 Ca B-2020
CALCIUM	SM 3111 B-2011	SM 3111 B-2019
CALCIUM	SM 3111 D-2011	SM 3111 D-2019
CALCIUM	SM 3120 B-2011	SM 3120 B-2020
CHLORIDE	SM 4110 B-2011	SM 4110 B-2020
CHLORIDE	SM 4110 C-2011	SM 4110 C-2020
CHLORIDE	SM 4500 Cl ⁻ E-2011 [SEAL 124-A Rev. 6]	SM 4500 Cl ⁻ E-2021 [SEAL 124-A Rev. 6]
CHLORIDE	SM 4500 Cl ⁻ B-2011	SM 4500 Cl ⁻ B-2021
CHLORIDE	SM 4500 Cl ⁻ E-2011	SM 4500 Cl ⁻ E-2021
CHLORIDE	SM 4500 Cl ⁻ C-2011	SM 4500 Cl ⁻ C-2021
CHLORIDE	ASTM D 512-04 C	ASTM D 512-12 C
CHROMIUM HEXVALENT	SM 3500 Cr C-2011	SM 3500 Cr C-2020
CHROMIUM HEXVALENT	SM 3500 Cr B-2011	SM 3500 Cr B-2020
CHROMIUM HEXVALENT	SM 3111 B-2011	SM 3111 B-2019
CHROMIUM TOTAL	SM 3113 B-2010	SM 3113 B-2020
CHROMIUM TOTAL	SM 3120 B-2011	SM 3120 B-2020
CHROMIUM TOTAL	SM 3500 Cr B-2011	SM 3500 Cr B-2020
CHROMIUM TOTAL	SM 3111 B-2011	SM 3111 B-2019
CHROMIUM TOTAL	SM 3111 C-2011	SM 3111 C-2019
COBALT	SM 3111 C-2011	SM 3111 C-2019
COBALT	SM 3113 B-2010	SM 3113 B-2020
COBALT	SM 3120 B-2011	SM 3120 B-2020
COD	ASTM D 1252-06 B	ASTM D 1252-06 (12) B
COD	ASTM D 1252-06 A	ASTM D 1252-06 (12) A
COLOR, ADMI	SM 2120 F-2011 (ADMI)	SM 2120 F-2021 (ADMI)

COLOR, PC	SM 2120 B-2011 (PtCo)	SM 2120 B-2021 (PtCo)
CONDUCTIVITY	SM 2510 B-2011	SM 2510 B-2021
COPPER	SM 3500 Cu B-2011	SM 3500 Cu B-2020
COPPER	SM 3113 B-2010	SM 3113 B-2020
COPPER	SM 3111 B-2011	SM 3111 B-2019
COPPER	SM 3111 C-2011	SM 3111 C-2019
COPPER	SM 3120 B-2011	SM 3120 B-2020
CYANIDE	Lachat 10-204-00-1-X, Rev. 2.2, 2005 (SM 4500 CN E -2016 Automated) (Total)	Lachat 10-204-00-1-X, Rev. 2.2, 2005 (SM 4500 CN E -2021 Automated) (Total)
CYANIDE	SM 4500 CN ⁻ G-2016 (SM 4500 CN ⁻ D-2016) (Available)	SM 4500 CN ⁻ G-2021 (SM 4500 CN ⁻ D-2021) (Available)
CYANIDE	SM 4500 CN ⁻ G-2016 (SM 4500 CN ⁻ E-2016) (Available)	SM 4500 CN ⁻ G-2021 (SM 4500 CN ⁻ E-2021) (Available)
CYANIDE	SM 4500 CN ⁻ D-2016 (Total)	SM 4500 CN ⁻ D-2021 (Total)
CYANIDE	SM 4500 CN ⁻ F-2016 (Total)	SM 4500 CN ⁻ F-2021 (Total)
CYANIDE	SM 4500 CN ⁻ E-2016 (Total)	SM 4500 CN ⁻ E-2021 (Total)
DISSOLVED OXYGEN	SM 4500 O H-2016	SM 4500 O H-2021
DISSOLVED OXYGEN	SM 4500 O G-2016	SM 4500 O G-2021
DISSOLVED OXYGEN	SM 4500 O C-2016	SM 4500 O C-2021
DISSOLVED OXYGEN	ASTM D 888-12 C	ASTM D 888-18 C
DISSOLVED OXYGEN	ASTM D 888-12 B	ASTM D 888-18 B
FLUORIDE	SM 4500 F ⁻ D-2011	SM 4500 F ⁻ D-2021
FLUORIDE	SM 4110 B-2011	SM 4110 B-2020
FLUORIDE	SM 4500 F ⁻ C-2011	SM 4500 F ⁻ C-2021
FLUORIDE	SM 4500 F ⁻ E-2011	SM 4500 F ⁻ E-2021
HARDNESS TOTAL - METALS	SM 2340 B-2011 (Ca EPA 200.8, Rev. 5.4, 1994 + Mg EPA 200.8, Rev. 5.4, 1994)	SM 2340 B-2021 (Ca EPA 200.8, Rev. 5.4, 1994 + Mg EPA 200.8, Rev. 5.4, 1994)
HARDNESS TOTAL - METALS	SM 2340 B-2011 (Ca SM 3111B-2011 + Mg SM 3111B-2011)	SM 2340 B-2021 (Ca SM 3111B-2019 + Mg SM 3111B-2019)
HARDNESS TOTAL - METALS	SM 2340 B-2011 (Ca EPA 200.7, Rev. 4.4, 1994 + Mg EPA 200.7, Rev. 4.4, 1994)	SM 2340 B-2021 (Ca EPA 200.7, Rev. 4.4, 1994 + Mg EPA 200.7, Rev. 4.4, 1994)
HARDNESS TOTAL - METALS	SM 2340 B-2011 (Ca SM 3120B-2011 + Mg SM 3120B-2011)	SM 2340 B-2021 (Ca SM 3120B-2020 + Mg SM 3120B-2020)
HARDNESS TOTAL - WET CHEM	SM 2340 C-2011	SM 2340 C-2021
IRON	SM 3111 B-2011	SM 3111 B-2019
IRON	SM 3111 C-2011	SM 3111 C-2019
IRON	SM 3113 B-2010	SM 3113 B-2020
IRON	SM 3120 B-2011	SM 3120 B-2020
LEAD	SM 3500-Pb B-2011	SM 3500-Pb B-2020
LEAD	SM 3111 B-2011	SM 3111 B-2019
LEAD	SM 3111 C-2011	SM 3111 C-2019
LEAD	SM 3113 B-2010	SM 3113 B-2020
LEAD	SM 3120 B-2011	SM 3120 B-2020
MANGANESE	SM 3500-Mn B-2011	SM 3500-Mn B-2020
MANGANESE	SM 3500-Mn B-2011 Non-Aqueous)	SM 3500-Mn B-2020 Non-Aqueous)
MANGANESE	SM 3111 B-2011	SM 3111 B-2019

MANGANESE	SM 3111 C-2011	SM 3111 C-2019
MANGANESE	SM 3113 B-2010	SM 3113 B-2020
MANGANESE	SM 3120 B-2011	SM 3120 B-2020
MBAS	SM 5540 C-2011	SM 5540 C-2021
MERCURY	SM 3112 B-2011	SM 3112 B-2020
MOLYBDENUM	SM 3113 B-2010	SM 3113 B-2020
NICKEL	SM 3113 B-2010	SM 3113 B-2020
NITROGEN, AMMONIA	SM 4500 NH3 H-2011	SM 4500 NH3 H-2021
NITROGEN, AMMONIA	SM 4500 NH3 C-2011	SM 4500 NH3 C-2021
NITROGEN, AMMONIA	SM 4500 NH3 G-2011	SM 4500 NH3 G-2021
NITROGEN, AMMONIA	SM 4500 NH3 F-2011	SM 4500 NH3 F-2021
NITROGEN, AMMONIA	SM 4500 NH3 E-2011	SM 4500 NH3 E-2021
NITROGEN, AMMONIA	SM 4500 NH3 D-2011	SM 4500 NH3 D-2021
NITROGEN, AMMONIA	ASTM D 6919-09	ASTM D 6919-17
NITROGEN, AMMONIA	ASTM D 1426-08 A	ASTM D 1426-15 A
NITROGEN, NITRATE	(NO3 + NO2 EPA 353.2, Rev. 2.0, 1993) - (NO2 SM 4500-NO2 ⁻ B-2011)	(NO3 + NO2 EPA 353.2, Rev. 2.0, 1993) - (NO2 SM 4500-NO2 ⁻ B-2021)
NITROGEN, NITRATE	(NO3 + NO2 EPA 353.2, Rev. 2.0, 1993) [SEAL 126-A]- (NO2 SM 4500-NO2 ⁻ F-2011) [SEAL 137-A]	(NO3 + NO2 EPA 353.2, Rev. 2.0, 1993) [SEAL 126-A]- (NO2 SM 4500-NO2 ⁻ F-2019) [SEAL 137-A]
NITROGEN, NITRATE	(NO3 + NO2 SM 4500-NO3 ⁻ H-2016) - (NO2 SM 4500-NO2 ⁻ B-2011 [Automated])	(NO3 + NO2 SM 4500-NO3 ⁻ H-2019) - (NO2 SM 4500-NO2 ⁻ B-2021 [Automated])
NITROGEN, NITRATE	(NO3 + NO2 SM 4500-NO3 ⁻ F-2016) - (NO2 SM 4500-NO3 ⁻ F-2016)	(NO3 + NO2 SM 4500-NO3 ⁻ F-2019) - (NO2 SM 4500-NO3 ⁻ F-2019)
NITROGEN, NITRATE	(NO3 + NO2 SM 4500-NO3 ⁻ F-2016) - (NO2 SM 4500-NO2 ⁻ B-2011)	(NO3 + NO2 SM 4500-NO3 ⁻ F-2019) - (NO2 SM 4500-NO2 ⁻ B-2021)
NITROGEN, NITRATE	(NO3 + NO2 SM 4500-NO3 ⁻ E-2016) - (NO2 SM 4500-NO3 ⁻ E-2016)	(NO3 + NO2 SM 4500-NO3 ⁻ E-2019) - (NO2 SM 4500-NO3 ⁻ E-2019)
NITROGEN, NITRATE	(NO3 + NO2 SM 4500-NO3 ⁻ E-2016) - (NO2 SM 4500-NO2 ⁻ B-2011)	(NO3 + NO2 SM 4500-NO3 ⁻ E-2019) - (NO2 SM 4500-NO2 ⁻ B-2021)
NITROGEN, NITRATE	SM 4500 NO3 ⁻ F-2016	SM 4500 NO3 ⁻ F-2019
NITROGEN, NITRATE	SM 4500 NO3 ⁻ D-2016	SM 4500 NO3 ⁻ D-2019
NITROGEN, NITRATE	(NO3 + NO2 SM 4110 B-2011) - (NO2 SM 4110 B-2011)	(NO3 + NO2 SM 4110 B-2020) - (NO2 SM 4110 B-2020)
NITROGEN, NITRATE	SM 4110 B-2011	SM 4110 B-2020
NITROGEN, NITRITE	SM 4500-NO2 ⁻ B-2011	SM 4500-NO2 ⁻ B-2021
NITROGEN, NITRITE	SM 4500-NO2 ⁻ B-2011 (Automated)	SM 4500-NO2 ⁻ B-2021 (Automated)
NITROGEN, NITRITE	SM 4500-NO3 ⁻ E-2016	SM 4500-NO3 ⁻ E-2019
NITROGEN, NITRITE	SM 4500-NO3 ⁻ F-2016	SM 4500-NO3 ⁻ F-2019
NITROGEN, NITRITE	SM 4500-NO3 ⁻ I-2016	SM 4500-NO3 ⁻ I-2019
NITROGEN, NITRITE	ASTM D 3867-04 B	ASTM D 3867-16 B
NITROGEN, NO3 + NO2	SM 4500 NO3 ⁻ I-2016	SM 4500 NO3 ⁻ I-2019
NITROGEN, NO3 + NO2	SM 4500 NO3 ⁻ E-2016	SM 4500 NO3 ⁻ E-2019
NITROGEN, NO3 + NO2	SM 4500-NO3 ⁻ F-2016	SM 4500-NO3 ⁻ F-2019
NITROGEN, NO3 + NO2	SM 4500 NO3 ⁻ H-2016	SM 4500 NO3 ⁻ H-2019
NITROGEN, NO3 + NO2	SM 4110 B-2011	SM 4110 B-2020

NITROGEN, TOTAL KJELDAHL	SM 4500 Norg C-2011 (SM 4500 NH3 D-2011)	SM 4500 Norg C-2021 (SM 4500 NH3 D-2021)
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg B-2011 (SM 4500 NH3 D-2011)	SM 4500 Norg B-2021 (SM 4500 NH3 D-2021)
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg B-2011 (SM 4500 NH3 E-2011)	SM 4500 Norg B-2021 (SM 4500 NH3 E-2021)
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg B-2011 (SM 4500 NH3 F-2011)	SM 4500 Norg B-2021 (SM 4500 NH3 F-2021)
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg B-2011 (SM 4500 NH3 C-2011)	SM 4500 Norg B-2021 (SM 4500 NH3 C-2021)
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg D-2011	SM 4500 Norg D-2021
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg C-2011 (NH3 EPA 350.1, Rev. 2.0, 1993)	SM 4500 Norg C-2021 (NH3 EPA 350.1, Rev. 2.0, 1993)
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg C-2011 (SM 4500 NH3 E-2011)	SM 4500 Norg C-2021 (SM 4500 NH3 E-2021)
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg C-2011 (SM 4500 NH3 F-2011)	SM 4500 Norg C-2021 (SM 4500 NH3 F-2021)
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg C-2011 (SM 4500 NH3 C-2011)	SM 4500 Norg C-2021 (SM 4500 NH3 C-2021)
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg B-2011 (NH3 EPA 350.1, Rev. 2.0, 1993)	SM 4500 Norg B-2021 (NH3 EPA 350.1, Rev. 2.0, 1993)
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg B-2011 (SM 4500 NH3 G-2011)	SM 4500 Norg B-2021 (SM 4500 NH3 G-2021)
NITROGEN, TOTAL KJELDAHL	SM 4500 Norg C-2011 (SM 4500 NH3 G-2011)	SM 4500 Norg C-2021 (SM 4500 NH3 G-2021)
OIL & GREASE	SM 5520 B-2011	SM 5520 B-2021
ORGANIC PHENOLS	SM 6420 B-2000	SM 6420 B-2020
PESTICIDES, ORGANOCHLORINE	SM 6630 B-2000	SM 6630 B-2021
PESTICIDES, ORGANOCHLORINE	SM 6630 C-2000	SM 6630 C-2021
pH	SM 4500 H+B-2011	SM 4500 H+B-2021
PHOSPHATE, ORTHO	SM 4500 P E-2011	SM 4500 P E-2021
PHOSPHATE, ORTHO	SM 4500 P G-2011	SM 4500 P G-2021
PHOSPHATE, ORTHO	SM 4500 P F-2011	SM 4500 P F-2021
PHOSPHORUS, TOTAL	SM 4500 P E-2011	SM 4500 P E-2021
PHOSPHORUS, TOTAL	SM 4500 P F-2011	SM 4500 P F-2021
PHOSPHORUS, TOTAL	SM 4500 P H-2011	SM 4500 P H-2021
PHOSPHORUS, TOTAL	SM 4500 P G-2011	SM 4500 P G-2021
POLYNUCLEAR AROMATIC HYDROCARBONS	SM 6440 B-2005	SM 6440 B-2021
PURGEABLE, AROMATICS	SM 6200 C-2011	SM 6200 C-2020
PURGEABLE, ORGANICS	SM 6200 B-2011	SM 6200 B-2020
RESIDUE, DISSOLVED 180 C	SM 2540 C-2015	SM 2540 C-2020
RESIDUE, DISSOLVED 180 C	ASTM D5907-13	ASTM D5907-18 (B)
RESIDUE, SETTLEABLE	SM 2540 F-2015	SM 2540 F-2020
RESIDUE, SUSPENDED	SM 2540 D-2015	SM 2540 D-2020

RESIDUE, TOTAL	SM 2540 B-2015	SM 2540 B-2020
RESIDUE, VOLATILE	SM 2540 E-2015	SM 2540 E-2020
SALINITY	SM 2520 B-2011	SM 2520 B-2021
SELENIUM	SM 3113 B-2010	SM 3113 B-2020
SELENIUM	SM 3120 B-2011	SM 3120 B-2020
SILICA - NUTRIENTS	SM 4500 SiO ₂ C-2011	SM 4500 SiO ₂ C-2021
SILVER	SM 3111 B-2011	SM 3111 B-2019
SILVER	SM 3111 C-2011	SM 3111 C-2019
SILVER	SM 3113 B-2010	SM 3113 B-2020
SILVER	SM 3120 B-2011	SM 3120 B-2020
SULFATE	SM 4500 SO ₄ ²⁻ C-2011	SM 4500 SO ₄ ²⁻ C-2021
SULFATE	SM 4500 SO ₄ ²⁻ D-2011	SM 4500 SO ₄ ²⁻ D-2021
SULFATE	SM 4500 SO ₄ ²⁻ E-2011	SM 4500 SO ₄ ²⁻ E-2021
SULFATE	SM 4110 B-2011	SM 4110 B-2020
SULFIDE	SM 4500 S ²⁻ D-2011	SM 4500 S ²⁻ D-2021
SULFIDE	SM 4500 S ²⁻ F-2011	SM 4500 S ²⁻ F-2021
SULFIDE	SM 4500 S ²⁻ G-2011	SM 4500 S ²⁻ G-2021
SULFITE	SM 4500 SO ₃ ²⁻ B-2011	SM 4500 SO ₃ ²⁻ B-2021
TURBIDITY	SM 2130 B-2011	SM 2130 B-2020
ZINC	SM 3500 Zn B-2011	SM 3500 Zn B-2020
ZINC	SM 3120 B-2011	SM 3120 B-2020
ZINC	SM 3111 B-2011	SM 3111 B-2019
ZINC	SM 3111 C-2011	SM 3111 C-2019