

CHANGES TO PART III FY2023

Parameter Code	Parameter	Technique	Approved Method	Change
DW01 00960	Total coliform/E. coli	Membrane Filter - M-Colibblue 24 Test	SM 9222 J	Addition
DW01 01160	Total coliform/E. coli	Enumeration	OTHER RAPID'E.coli 2-2020	Addition
DW03 01330	Calcium	EDTA, Titrimetric	ASTM D511(A)	Addition
DW03 01410	Calcium-hardness	Titrimetric, EDTA	ASTM D511(A)	Addition
DW03 01660	Chloride	Argentometric	ASTM D512	Addition
DW03 01930	Chloride	Ion Chromatography	ASTM D4327	Addition
DW03 03130	Cyanide - total	Spectrophotometric, Distill, Manual	ASTM D2036 (A)	Addition
DW03 03260	Cyanide - amenable to Cl2	Spectrophotometric, Distill, Amenable	ASTM D2036 (B)	Addition
DW03 03860	Fluoride	Ion Chromatography	ASTM D4327	Addition
DW03 03910	Fluoride	Manual Potentiometric Ion Select Electrode	ASTM D1179 (B)	Addition
DW03 03920	Fluoride	Arsenite-Free Colorimetric SPADNS	OTHER Hach 10225	Addition
DW03 04760	Nitrate	Ion Chromatography	ASTM D4327	Addition
DW03 04910	Nitrate	Reduction,Colorimetric	OTHER NECi Nitrate-Reductase	Addition
DW03 05610	Nitrite	Ion Chromatography	ASTM D4327	Addition
DW03 05720	Nitrite	Reduction,Colorimetric	OTHER NECi Nitrate-Reductase	Addition
DW03 06410	Orthophosphate	Ion Chromatography	ASTM D4327	Addition
DW03 07010	Sulfate	Ion Chromatography	ASTM D4327	Addition
DW03 08105	Turbidity	Nephelometric	OTHER Hach 8195	Addition
DW03 08110	Turbidity	Nephelometric	OTHER Lovibond PTV 1000	Addition
DW03 08115	Turbidity	Nephelometric	OTHER Lovibond PTV 2000	Addition
DW03 08120	Turbidity	Nephelometric	OTHER Lovibond PTV 6000	Addition
DW03 08125	Turbidity	Nephelometric	OTHER AMI Turbiwell	Addition
DW03 08350	Specific Ultraviolet Absorbance (SUVA)	Calculation Using DOC and UV254 Data	OTHER DOC and UV254 method references	Addition
DW04 00130	Chlorine - total	Indophenol Colorimetric	EPA 127	Addition
DW04 00560	Chlorine - total, free or combined	Amperometric Sensor	OTHER ChloroSense	Addition
DW06 00190	Calcium	AA, Direct	ASTM D511 (B)	Addition

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DW06 00410	Magnesium	AA, Direct	ASTM D511 (B)	Addition
DW06 03310	Magnesium	Complexation Titrimetric	ASTM D511 (A)	Addition
DW06 03320	Magnesium	Complexation Titrimetric	SM 3500-Mg B (20th-23rd Ed)	Addition
DW07 03740	Silica	ICP	SM 3120 B	Addition
DW07 03860	Uranium	ICP/MS	ASTM D5673	Addition
DW08 00250	Pentachlorophenol	SPE Extract/GC	ASTM D5317	Removed
DW08 00350	Picloram	SPE Extract/GC	ASTM D5317	Removed
DW08 20600	Dalapon	Microextraction, GC	SM 6640 B	Removed
DW09 22160	Atrazine	SPE, GC/MS	EPA 523	Addition
DW09 22170	Simazine	SPE, GC/MS	EPA 523	Addition
DW09 04010	Chlordane (technical)	LC MS/MS	OTHER ME 531	Addition
DW09 04020	Oxamyl	LC MS/MS	OTHER ME 531	Addition
DW10 00760	Gamma emitters	Gamma Spectrometry	SM 7500-Cs B	Addition
DW10 00770	Gamma emitters	Gamma Spectrometry	SM 7500-I B	Addition
DW10 02910	Radium - 226	Gamma Spectrometry	SM 7500-Ra E	Addition
NPW01 00320	Enterococci	MPN, Dilution	EPA p. 139	Addition
NPW01 00400	Enterococci (ambient water only)	Multiple Tube	SM 9230 B-07	Removed
NPW01 00870	Escherichia coli (E coli)	MPN/Multiple Tube/Multiple Well	SM 9223 B-16	Addition
NPW01 01170	E. coli (ambient water only)	MF-Single Step	OTHER KwikCount EC (Micrology Laboratories LLC)	Addition
NPW01 01560	Fecal coliform	MPN, Dilution	SM 9221 F-14	Addition
NPW01 02860	Total coliform	Membrane Filter w/ enrichment	EPA p. 111	Addition
NPW01 02870	Total coliform	Membrane Filter w/ enrichment	SM 9222 B-15	Addition
NPW03 01230	Ammonia	Gas Diffusion, Fluorescence Detector	OTHER FIALab100	Addition
NPW03 01240	Ammonia	Distillation or Gas Diffusion, Semi-automated Phenate	USGS I-2522-90	Addition

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NPW03 01560	Biochemical oxygen demand	Dissolved Oxygen Depletion - LDO Probe	OTHER Hach 10360	Addition
NPW03 02160	Bromide	Ion Chromatography	ASTM I-2057-85	Addition
NPW03 02990	Carbonaceous BOD (CBOD)	Dissolved Oxygen Depl., Nitrif. Inhib., LDO Electrode	OTHER Hach 10360	Addition
NPW03 03560	Chemical oxygen demand	Spectrophotometric Manual/Auto	OTHER Macherey-Nagel 036/038	Addition
NPW03 06680	Cyanide - total	Distillation, Spectrophotometric (Auto)	SM 4500-CN B-16 plus N-16	Addition
NPW03 06690	Cyanide - total	Distillation, Spectrophotometric (Auto)	SM 4500-CN C-16 plus N-16	Addition
NPW03 10760	Kjeldahl nitrogen - total	Macro Digestion, Distillation, Manual Phenate	SM 4500-N Org B plus NH3 B plus NH3 F-11	Addition
NPW03 10770	Kjeldahl nitrogen - total	Micro Digestion, Distillation, Manual Phenate	SM 4500-N Org C plus NH3 B plus NH3 F-11	Addition
NPW03 10410	Kjeldahl nitrogen - total	Digestion, Gas Diffusion, Fluorescence Detector	OTHER FIALab100	Addition
NPW03 12010	Nitrate-Nitrite	Cadmium Reduction, Automated	SM 4500-NO3 I-16	Addition
NPW03 12190	Nitrate - nitrite	Enzymatic Reduction, Auto., Colorimetric	ASTM D7781-14	Addition
NPW03 12310	Nitrate - nitrite	Enzymatic Reduction, Manual, Colorimetric	SM 4500-NO3 J-18	Addition
NPW03 01360	Nitrite	Auto, bypass Cd reduction	SM 4500-NO3 I-16	Addition
NPW03 13260	Nitrite	Manual, bypass Cd reduction	SM 4500-NO3 J-18	Addition
NPW03 13160	Nitrite	Bypass Enzymatic Reduction, Auto., Colorimetric	ASTM D7781-14	Addition

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NPW03 12890	Nitrite	Spectrophotometric, Auto Diazotization	USGS I-2540-90	Addition
NPW03 15190	Orthophosphate	Ascorbic Acid, Automated	USGS I-2601-90	Addition
NPW03 16750	Phenols	Manual Distillation, Colorimetric 4AAP, Manual	USER DEFINED	Remove
NPW04 00860	Oxygen (dissolved)	Luminescence Based Sensor	SM 4500-O H-16	Addition
NPW07 01010	Copper	Digestion, AA Direct	ASTM D1688-17(B)	Addition
NPW07 01660	Manganese	Digestion, AA Direct	ASTM D858-17(B)	Addition
NPW07 02260	Zinc	Digestion, AA Direct	ASTM D1691-17(B)	Addition
NPW07 03260	Gold	Digestion, AA Furnace	SM 3113 B-10	Addition
NPW07 05050	Hardness - total as CaCO3	Ca + Mg Carbonates, AA Direct	SM 3111 B-11	Remove
NPW07 08640	Chromium	Colorimetric DPC	SM 3500-Cr B-11	Addition
NPW07 08760	Copper	Digestion, Colorimetric (Neocuproine)	SM 3500-Cu B-11	Addition
NPW07 09010	Manganese	Digestion, Colorimetric (Persulfate)	OTHER AOAC 920.203	Addition
NPW07 12700	Cadmium	Digestion, AA Direct	USGS I-3135-85	Change in method reference
NPW07 12710	Cadmium	Digestion, AA Direct	USGS I-3136-85	Addition
NPW08 11790	Iridium	Digestion, ICP/MS	SM 3125B-11	Addition
NPW08 18960	Chromium	Digestion, ICP/MS	USGS I-4472-97	Addition
NPW08 18965	Cobalt	Digestion, ICP/MS	USGS I-4472-97	Addition
NPW08 18970	Copper	Digestion, ICP/MS	USGS I-4472-97	Addition
NPW08 18975	Nickel	Digestion, ICP/MS	USGS I-4472-97	Addition
NPW08 18980	Selenium	Digestion, ICP/MS	USGS I-4472-97	Addition
NPW08 18985	Thallium	Digestion, ICP/MS	USGS I-4472-97	Addition
NPW08 18990	Zinc	Digestion, ICP/MS	USGS I-4472-97	Addition
NPW10 01740	Isopropanol	GC, Direct Injection, FID	ASTM D3695-95	Addition

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NPW10	03660	Nitrobenzene	Extract/HPLC (UV/Fluorescence)	ASTM D4657-92(98)	Addition
NPW10	06290	Benfluralin	Extract/GC (ECD)	EPA 1656	Addition
NPW10	08690	Parathion ethyl (Parathion)	Extract/GC (FPD)	EPA 1657	Addition
NPW10	19290	Benfluralin	Extract/GC (ECD)	EPA 608.3	Addition
NPW10	20680	Ethafluralin	Extract/GC (ECD)	EPA 608.3	Addition
NPW10	20860	Hexachlorobenzene	Extract/GC (ECD)	EPA 608.3	Addition
NPW10	20870	Hexachlorocyclopentadiene	Extract/GC (ECD)	EPA 608.3	Addition
NPW10	27290	Atraton	Extract/GC (NPD)	EPA 619	Addition
NPW10	27460	Secbumeton	Extract/GC (NPD)	EPA 619	Addition
NPW10	27470	Terbutylazine	Extract/GC (NPD)	EPA 619	Addition
NPW10	27480	Terbutryn	Extract/GC (NPD)	EPA 619	Addition
NPW10	28790	Benfluralin	Extract/GC (ECD)	EPA 627	Addition